Galaxy'

Discover Perfection

About *Galaxy*

Discover Perfection

About

With over 50 years of experience as distributors of scientific instruments, RAVI SCIENTIFIC INDUSTRIES has over 500 product offerings, supplying all over the world!
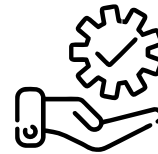
Galaxy as a brand focuses on laboratory & weighing instruments

Accuracy | Reliablity | Efficient Service

Our competitive advantage

Market Leadership
Contributing to major sales in the market

Diversification
Varied product range across India

Brand Reputation
Over 50 years of parent brand establishment

Fast Delivery
Ready stock resulting in timely delivery

Innovation
Advanced technological solutions

Excellent performance for multiple industries

Sample Preparation   Quality Control   Material Inspection   For Research

Pharmaceutical & Biotechnology

Electronics & IT

Food Industry

Chemical Industry

Jewellery

Textile Industry

Welcome to the world of **Galaxy**

Discover Perfection

INDEX

Our products can be categorized in three broad categories:

Weighing Systems

Test & Measure

Lab Process Equipment

Galaxy'

Semi-Micro Analytical Balance

MODEL: MA-50D

Dual Scale 50 / 220 g - 0.01 / 0.1 mg

160

210

280

90mm
PAN SIZE

465
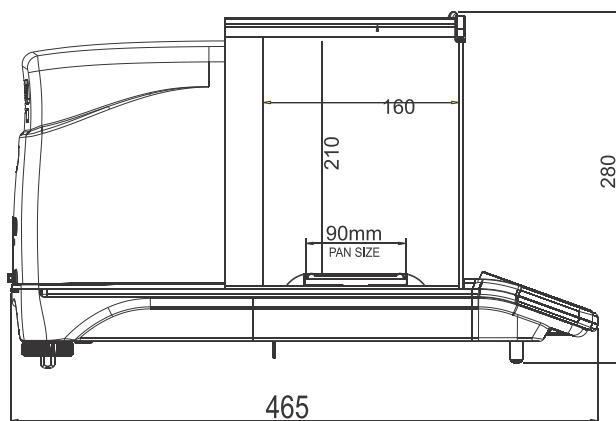
FEATURES HIGHLIGHTS:

- Electro Magnetic Force Compensation
- Statistic Weighting
- Animal Weighting
- White Black Light LCD Display
- Percentage Weighing
- Multiple Weighing Units
- RS232C Interface
- Counting Weighting Mode
- Temperature
- Under-hook Weighing
- Calibration with Internal weight
- Time
- Date

```
ID      12345
2016/10/28 12:03
-------------------------
001+0100.0000 g
002+0100.0000 g
003+0100.0000 g
004+0100.0000 g
005+0100.0000 g
-------------------------
N       005
AVR  +0500.0000 g
S      0000.000  g
MAX +0100.0000 g
MIN  +0100.0000 g
DIF    0000.0000 g
-------------------------
```

Print Out format

STANDARD

ACCESSORIES:

- Pan
- Pan support
- Draft Ring
- Power Cord
- User manual

Galaxy'

Semi-Micro Analytical Balance   MODEL: MA-50D

SPECIFICATIONS:

Model	MA-50D
Make	Galaxy
Max. (Capacity)	50 / 220g
Readability (d)	0.00001 / 0.0001g
Repeatability (±)	0.02 / 0.2mg
Linearity (±)	0.04 mg / 0.4 mg
Minimum Load	1mg / 10mg
Verification Scale Intervals (e)	1mg
Calibration	Motorized Internal Calibration
Class	Class I
Display	LCD with black light
Response Time	4-6 Sec
Pan size (mm)	90mm Ø
Tara Range	Full
Operating Temperature	+ 15°C to + 30°C
Sensitivity Drift ±	2 ppm / °C
Density	Function Available
Data Output mode selection	Command & Continuous Output
Key sound	Yes
Weighing Chamber Height	210 mm
Unit	g , oz ,ct, lb , ozt , dwt, GN
Application Mode	PCS, %, Weighting, Animal Weighing, Check Weighing, Density, Statistics Weighing
Baud rate options	1200, 2400, 4800, 9600
Interface	RS232C
Power supply	AC 220V/50-60 Hz
Dimension (L x W x H) mm	580x385x480
Weight	13kg

Analytical Balance

0.0001g / 0.1mg

<u>FEATURES HIGHLIGHTS:</u>

- Electro Magnetic Force Compensation
- Under-hook Weighing
- Internal Auto Calibration
- LCD Display

- Multiple Weighing Units
- Tare
- RS232C Interface
- Counting Weighing Model
- Density Determination (Manual calculation)

Analytical Balance

SPECIFICATIONS:

Model	MA-220	MA-320
Capacity	220g	320g
Make	Galaxy	
Readablity	0.0001g (0.1mg)	
Linearity	± 0.0003g	
Minimum Load	0.01g	
Display	LCD	
Pan Size	Ø 90 mm	
Response Time	4-6 sec	
Calibration	Internal Calibration	
Tare Range	Full	
Operating Temperature	15 to 30°C	
Operating Humidity	50-70% R.H	
Warm Up time	30 min	
Units	g, ct, ozt, oz, GN, dwt, lb, mg	
Key Sound	Yes	
Weighing Chamber Height	210 mm	
Baud Rate	1200, 2400, 4800, 9600	
Class	I	
Interface	RS-232C	
Date Output	Command & Continuous	
Power Supply	AC 220V / 50 Hz	
Dimensions & Weight	220 x 360 x 345 mm & 9.5 kg	

STANDARD ACCESSORIES:
- Draft Ring
- Pan
- Instruction Manual
- Power Cord

Galaxy'

Analytical Balance

220g x 0.1mg (Economy)

MODEL: MA-220X

SALIENT FEATURES:

- Strong anti-shaking monolithic electromagnetic sensor
- 18 standard units, with character mark
  g, kg, ct, lb, oz, ozt, tlh, tls, GN, dwt, mg, /lb, tlc mom, tol, bat, MS
- In-built density weighing function
- Dynamic animal weighing function

SPECIFICATIONS:

Model	MA-220X
Capacity	220g
Make	Galaxy
Readablity	0.0001g (0.1mg)
Linearity	± 0.0003g
Minimum Load	0.01g
Display & Pan Size	LCD, Pan: Ø 90 mm
Response Time	4-6 sec
Calibration	External Calibration
Tare Range	Full
Warm Up time	30 min
Units	g, ct, ozt, oz, GN, dwt, lb & 11 more
Weighing Chamber Height	200 mm
Class	I
Interface	RS-232C
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	200 x 290 x 310 mm & 9.5 kg

STANDARD ACCESSORIES:

- Draft Ring
- Pan
- Power Cord
- Instruction Manual

Galaxy'

Moisture Analyser

Touchscreen - 100g x 0.001g

MODEL: MB-6800

SALIENT FEATURES:

• Intuitive touch screen

• Halogen Light heating

• Temperature & time can be set

• Stores up to 8 data records

• Automatically displays the percentage of slop

• Displays moisture %, dry %, heating time, heating temperature, weight

• Smart heating, prevents overheating. Regulates the voltage of halogen lamp so that temperature does not overshoot the set temperature

• Loadcell sensor

MB-6800's halogen heating system distributes heat uniformly over the sample and speeds up the drying process - delivering fast and precise measurements. Designed for tool-free cleaning, components can be easily removed for quick and easy maintenance. Operating the MB6800 is intuitive with the icon-driven menu navigation on the touchscreen display.

| Powder | Particles | Paste or liquid | Dairy | Meat | Pulp |

Different forms of samples can be measured:

• Most samples which vaporize only moisture and cause no hazardous reaction under heating can be measured

Various materials can be measured:

• Cereal, starch, flour, meat, dair products, soil, ore, chemicals, paper, pulp, cotton, paper, plastic, fibers, chemicals, pharma
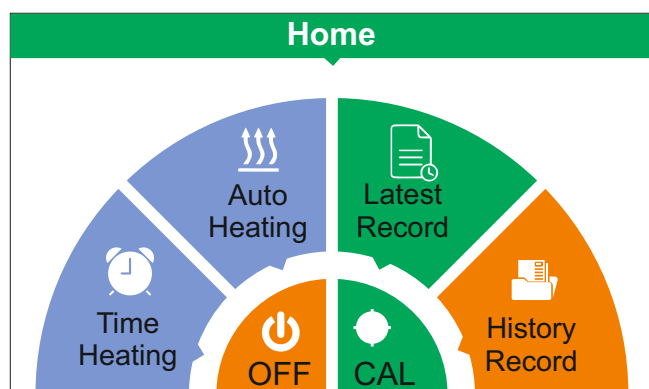
Moisture % of a few common products

PLASTIC 0.25% **RICE** 15% **CORN** 14.0 % **PAPER** 6.0 % **SUGAR** 5.5 %

Moisture Analyser

MODEL: MB-6800

Touchscreen - 100g x 0.001g

<u>Operation Method & Information on Screen:</u>

Home

〰〰〰 **Auto Heating**	📄 **Latest Record**
⏰ **Time Heating**	🕒 **History Record**
⏻ **OFF**	⬤ **CAL**

Home Screen

Time

✂ **Tare**	Heating Temperature [160] °C
📍 **Heating Start**	Time [3] min
↩ **Back**	Current Temperature 33 °C
	○ 5.450 g

Settings Screen

Heating

Heating Temperature 160 °C	Current Temperature 38 °C
End Mode 3	Heating Time 00:24

Moisture

0.53%   **5.011 g**
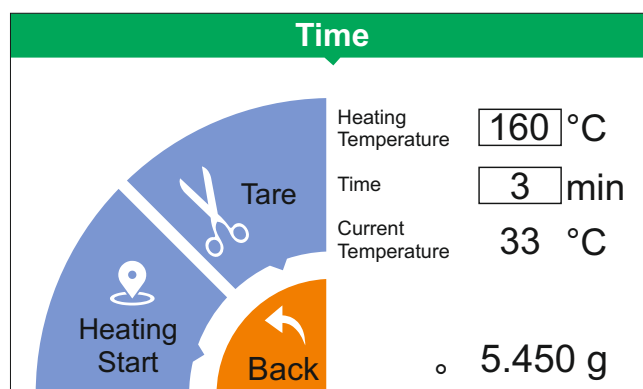
Display Conversion   **Heating Stop**
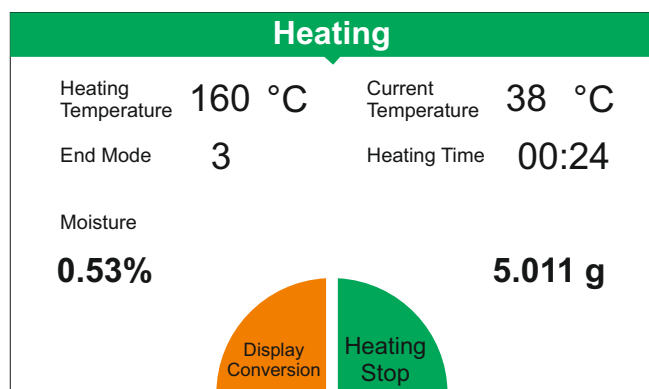
In-operation Screen (Heating is ON)

Latest

🖨 **Print**	Sample ID 2022101458
📄 **Save**	Heating Temperature 160 °C
↩ **Back**	End Mode Time 01:13
	Heating Time

Sample	Moisture
4.515 g	**17.15 %**
Weight Conversion	**Display Conversion**
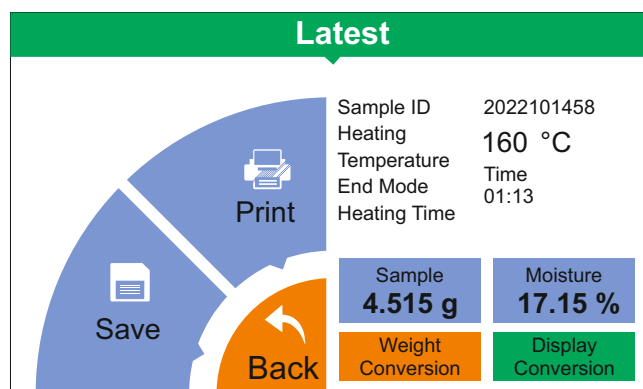
Results Screen

In the result screen, "Sample box" shows the final weight after drying, to see the starting weigh before drying click on the weight conversion button.

By clicking on the display conversion we can see the solid weight, wet weight.

Also it's very easy to clean up after the measurement. Just remove a single screw and you can disassemble the round tray as well as the steel platform. Gently clean off the debris and reinstall.

Galaxy'

SPECIFICATIONS:

Model	MB-6800
Make	Galaxy
Moisture Range	0~100%
Moisture Resolution	0.02% ~ 0.1%(sample≥2g)
Moisture Accuracy	±0.5%
Capacity	100g
Readablity	0.001 g (1 mg)
Repeatability	± 0.001 g
Linearity	± 0.002g
Minimum Load	0.01g
Display	Touchscreen
Pan Size	Ø 90 mm
Sensor	Loadcell
Calibration	External
Operating Temperature	5 to 35°C
Heating Source	Halogen Lamp
Analysis Method	Manual, timed, automatic
Temp. Sensor	PT100
Temp. Setting Range	60 to 200°C
Temp. Setting Resoultion	1°C
Time Setting	0 to 99 mins
Steel Sample Pan	Yes
No. of Storage	8 memory
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	350 x 215 x 192 mm & 4.5 kg

STANDARD ACCESSORIES:

- Standard Weight
- SS Pan
- Pan Holder
- Pan Lifter
- Adapter
- Instruction Manual

Smart Moisture Analyser

Touchscreen - 120g x 0.001g

MODEL: MB-7000

SALIENT FEATURES:

• Intuitive touch screen

• Halogen Light heating

• Temperature & time can be set

• Stores 100 data records

• Real-time curve function helps to define appropriate test conditions for samples

• Sample library functions allows you to store up to 100 types of samples & it's drying conditions

• Automatically displays the percentage of slop

• Displays moisture %, dry %, heating time, heating temperature, weight

• Smart heating, prevents overheating. Regulates the voltage of halogen lamp so that temperature does not overshoot the set temperature

• German Load cell sensor

• Analysis Method: Manual, Timed, Automatic

Different forms of samples can be measured:

• Most samples which vaporize only moisture and cause no hazardous reaction under heating can be measured

• User management supports 5 users & Audit Trail

• Drying Modes: Standard, Fast & Soft

Various materials can be measured:

• Cereal, starch, flour, meat, dairy products, soil, ore, chemicals, paper, pulp, cotton, paper, plastic, fibers, chemicals, pharma

moisture: 2.65 %MC

SPECIFICATIONS:

Model	MB-7000
Make	Galaxy
Moisture Range	0~100%
Moisture Resolution	0.02% ~ 0.2%(sample≥2g)
Moisture Accuracy	±0.2%
Capacity	120g
Readability	0.001 g (1 mg)
Repeatability & Linearity	± 0.001 g & ± 0.002g
Minimum Load	0.01g
Display & Pan Size	5" Touchscreen, Ø 90 mm
Sensor & Calibration	German Loadcell, External
Operating Temperature	5 to 35°C
Heating Source	Halogen Lamp
Analysis Method	Manual, Timed, Automatic
Temp. Sensor	PT100
Temp. Setting Range	60 to 200°C
Temp. Setting Resolution	1°C
Time Setting	2 to 100 mins
Sample Library	Yes, 100 sample methods
Drying Modes	Standard, Fast & Soft
Data Output	RS-232 and USB-A
No. of Storage	100 memory
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	350 x 215 x 192 mm & 4.5 kg

STANDARD ACCESSORIES:

- Standard Weight
- Pan
- Pan Holder
- Pan Lifter
- Touch pen
- Adapter
- Instruction Manual

Fast drying profile

Standard drying profile

Soft drying profile
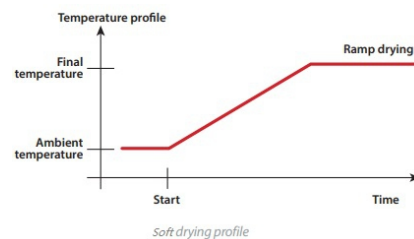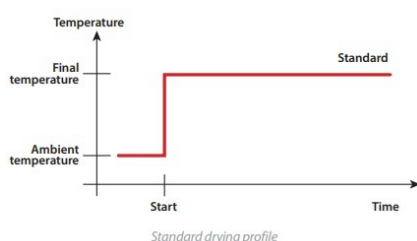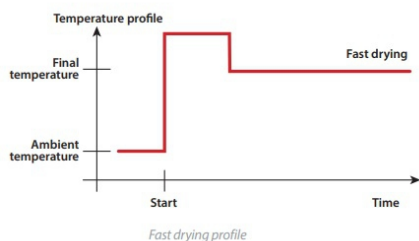
Drying Modes: Standard, Fast & Soft allows Mb7000 to optimize to enhanced drying conditions and shorten runtime while minimizing sample decomposition or change in chemical structure, ultimately improving testing accuracy and reproducibility.

Galaxy'

Advanced Moisture Analyser

MODEL: MB-60

E.M.F.C Based - 60g x 0.0001g

SALIENT FEATURES:

• Based on E.M.F.C Technology

• High accuracy for very dry samples

• Halogen heating system

• Automatically displays the percentage of moisture

• Displays moisture %, heating time & heating temperature

• Smart heating, prevents overheating. Regulates the voltage of halogen lamp so that temperature does not overshoot the set temperature
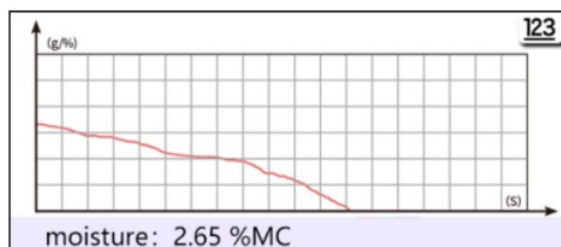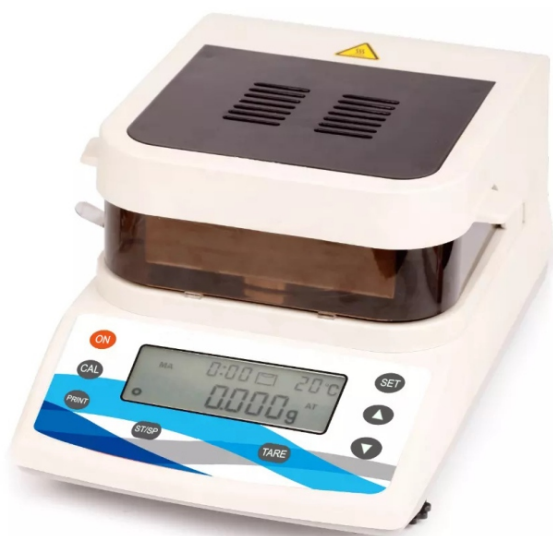
SPECIFICATIONS:

Model	MB-60
Make	Galaxy
Moisture Range	0~100%
Moisture Resolution & Accuracy	R:0.001%, A: ±0.05%
Capacity	60g
Readablity	0.0001 g (0.1 mg)
Repeatability	± 0.005 g
Suggested Min Sample	5 g
Pan Size & Sensor	Ø 90 mm & E.M.F.C
Operating Temperature	10 to 40°C
Heating Source	Halogen Lamp
Analysis Method	Manual, timed, automatic
Temp. Setting Range	60 to 200°C (Interval=1°C)
Time Setting	1 to 99 mins (Interval=1 min)
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	330 × 200 × 155 mm & 6.5 kg

MB60's halogen heating system distributes heat uniformly over the sample and speeds up the drying process; delivering fast and precise measurements.

STANDARD ACCESSORIES:

• Aluminium Pan

• Pan Holder

• Pan Lifter

• Adapter

• Instruction Manual

Analytical Balance

1mg (EMFC) Professional Balance

FEATURES HIGHLIGHTS:

- Electro Magnetic Force Compensation
- Under-hook Weighing
- Internal Auto Calibration
- LCD Display

- Multiple Weighing Units
- Tare
- RS232C Interface
- Counting Weighing Model
- Density Determination (Manual Calculation)

SPECIFICATIONS:

Model	MA-201	MA-501	MA-1001
Capacity	220g	520g	1000g
Make	Galaxy		
Readablity	0.001g (1mg)		
Linearity	± 0.002g		
Minimum Load	0.1 g		
Display	LCD		
Pan Size	Ø 90 mm	Ø 90 mm	Ø 120 mm
Response Time	4 ~ 5 sec		
Calibration	Internal		
Tare Range	Full		
Operating Temperature	15 to 35°C		
Operating Humidity	40~ 80% R.H		
Warm Up time	30 min		
Units	mg, g, ct, ozt, oz, GN, dwt, lb		
Key Sound	Yes		
Weighing Chamber Height	195 mm		
Baud Rate	600, 1200, 2400, 4800, 9600		
Class	I		
Interface	RS232C		
Date Output	Command and continuos output		
Power Supply	AC 220V / 50 Hz		
Dimensions & Weight	220 x 360 x 345 mm & 10 kg		

STANDARD ACCESSORIES:
- Draft Ring
- Pan
- Power Cord
- Instruction Manual

Galaxy'

Precision Balance

300g x 1mg (0.001g)
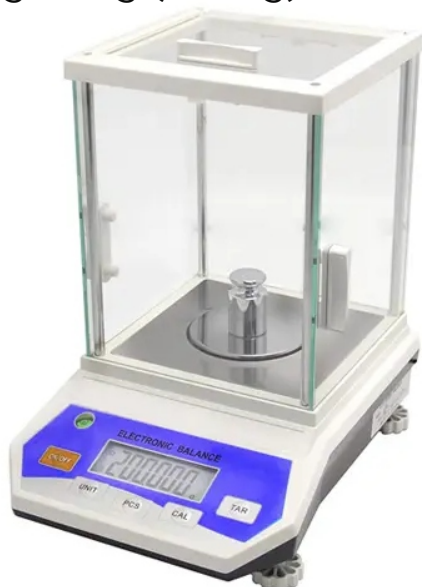
MODEL: PG-300, PG-500

MODEL: PG-300S

SPECIFICATIONS:

Model	PG-300	PG-500	PG-300S
Make	Galaxy	Galaxy	Galaxy
Capacity	300 g	500 g	300 g
Readability	0.001g (1mg)	0.001g (1mg)	0.001g (1mg)
Repeatability	0.001 g	0.001 g	0.001 g
Lineraity	0.002 g	0.002 g	0.002 g
Pan Size	Ø 90 mm	Ø 90 mm	Ø 90 mm
Response Time	3 - 4 sec	3 - 4 sec	3 - 4 sec
Calibration	External	External	External
Display	Backlight LCD	Backlight LCD	LED
Tare Range	Full	Full	Full
Operating Temperature	10 to 40°C	10 to 40°C	10 to 40°C
Power Supply	AC 220V / 50Hz	AC 220V / 50Hz	AC 220V / 50Hz
Dimensions	325 x 300 x 225	325 x 300 x 225	190 x 240 x 100
Weight	4 kg	4 kg	3 kg

ACCESSORIES: • Standard Weight • Adapter

Precision Balance
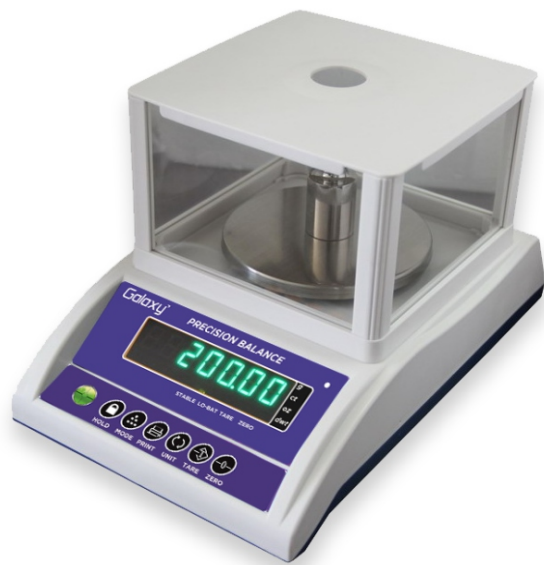
SALIENT FEATURES:

• Green LED Display

• Front & Back display

• With Rs232 data output

• Removable glass windshield

• Low battery indicator

• In-nuilt rechargeable battery for

 continuos use

• Piece counting & percentage function

• Multiple weighing units

• Auto zero tracking

SPECIFICATIONS:

Model	PG-620	PG-1050
Make	Galaxy	
Capacity	620 g	1050 g
Resolution	0.01 g	
Repeatability	± 0.01	
Linearity	± 0.02	
Calibration	External Calibration	
Pan Size	Ø 120 mm	
Tare Range	Full	
Operating Temp.	10 to 40°C	
Display	Green LED (Front & back display)	
Response Time	3-4 secs	
Units	g, ct, oz, dwt	
Battery Backup	In-built	
Dimensions	190 x 240 x 100	
Weight	3 kg	

ACCESSORIES:

• Windshield Set

• Pan

• Instruction Manual

• Adapter

Galaxy

Precision Balance

(Economy)

This is a stable & accurate 0.01g (10mg) precision weighing balance. With inbuilt battery & standard weights it is an ideal choice for every workplace.

ACCESSORIES: • Standard Weight • Adapter

SPECIFICATIONS:

Model	PG-600	PG-1000
Make	Galaxy	
Capacity	600 g	1000 g
Resolution	0.01 g	
Calibration	External	
Pan Size	Ø 128 mm	
Display	LED	
Response Time	3-4 secs	
Units	g, ct, oz	
Battery Backup	In-built	
Dimensions	190 x 240 x 100	
Weight	3 kg	

Precision Balance

PG-10000, PG-5000

PG-3000

SPECIFICATIONS:

Model	PG-10000	PG-3000	PG-5000
Make	Galaxy	Galaxy	Galaxy
Capacity	10000 g	3000 g	5000 g
Resolution	0.1 g	0.01 g	0.01 g
Repeatability	± 0.1 g	± 0.01 g	± 0.01 g
Linearity	± 0.2 g	± 0.02 g	± 0.02 g
Calibration	External	External	External
Pan Size	145 x 175 mm	Ø 130 mm	Ø 130 mm
Display	LCD	LCD	LCD
Response Time	3-4 secs	3-4 secs	3-4 secs
Units	g, ct, oz	g, ct, oz	g, ct, oz
Battery Backup	In-built	In-built	In-built
Dimensions	205 x 272 x 163 mm		
Weight	3 kg	3 kg	3 kg

ACCESSORIES: • Standard Weight • Adapter

Precision Balance (Professional)

PG-5001

PG-3001

SALIENT FEATURES:

• Auto Calibration with External Weight

• Easy to read LCD Display with backlight

• Multifunction Weighing Units

• Auto Zero tracking, Low Battery Indicator

• Overload Protection Design

• S.S. Weighing Pan, Level indicator, Adjustable Fit

• High Resolution, Quick Weighing, Accurate Result

• In built rechargeable battery for continues use

• With RS-232 port for data output

• Sturdy Aluminum alloy base

SPECIFICATIONS:

| Model	PG-3001	PG-5001
Make	Galaxy	Galaxy
Capacity	3000 g	5000 g
Resolution	0.01 g	0.01 g
Repeatability	± 0.01g	± 0.01g
Linearity	± 0.03g	± 0.03g
Minimum Load	0.05 g	0.05 g
Calibration	External	External
Pan Size	Ø 130 mm	170 x 170 mm
Display	LCD Display	
Response Time	3 ~ 4 secs	
Units	kg, g, ct, lb, oz, ozt, dwt, gsm	
Battery Backup	Yes	
Dimensions & Weight	280 x 190 x 80mm & 3 kg	

ACCESSORIES:

• Standard Weight

• Adapter

• Instruction Manual
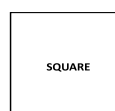
Standard Weight Set as per OIML R111

Configuration: 200g x 2, 100g x 1, 50g x 1, 20g x 2, 10g x 1, 5g x 1, 2g x 2, 1g x 1, 500mg x 1, 200mg x 2, 100mg x 1, 50mg x 1, 20mg x 2, 10mg x 1, 5mg x 1, 2mg x 2, 1mg x 1

SHAPES OF MILIGRAM WEIGHTS:
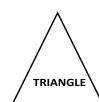
TRIANGLE	1 mg 10 mg 100 mg	Triangle 1 segment
SQUARE	2 mg 20 mg 200 mg	Square 2 segments
PENTAGON	5 mg 50 mg 500 mg	Pentagon 5 segments

SPECIFICATIONS:

Model	WS-E1-200	WS-E2-200	WS-F1-200
Class	E1	E2	F1
Standard	OIML R111		
Material	Austenitic Stainless Steel	316 Stainless Steel	304 Stainless Steel
Construction	Solid single piece fabrication		1 or 2 pieces
Cavity	No cavity adjustment		May contain
Density	8.00g/cm3	7.96g/cm³	7.9g/cm³
Magnetic Susceptibility	<0.005	<0.005	<0.05
Intensity of polarization	<2.5 µT	<8 µT	<25 µT
Shape	Cylinderical with knob		
Finish	Mirror Polish		
Packing	ABS & Aluminum box		
Accessories	Tweezer, Brush, Cloth, Glove		

LABORATORY & INDUSTRIAL SOLUTIONS

Printer for weighing scales

MODEL: TX-110

GLP, GMP compliant

SALIENT FEATURES:

- 128x64 OLED Display
- Data & Time (in-built clock)
- Weighing Mode, Statistical Mode
- Sum mode, mean mode
  & formulation mode
- Sample name & ID input
- Authority Management
- Periodic printing & Editable title & tail
- Sample name and batch number can
  be inputted and printed.

- Printing method: Impact dot
- Inking: Ink ribbon:
  EPSON ERC-22 or ERC-09
- Printing format: 24 digits/line
- Character size: 1.7x 2.6 mm
- Paper: Regular 57.5mm width
- Interface: RS-232C
- Power Source: DC 12V (1.5A)
- Gross weight: 500g approx.

```
----------------------
AND
Model:          HR120
S/N:         D23452456
ID:               1234
Date:       2014-03-28
Start Time:     17:30:22
Sample No.  00000000543
----------------------
001 17:30:22    10.003 mg
002 17:30:25    10.004 mg
003 17:30:26    10.005 mg
----------------------
End Time:       17:30:28

Signature:
----------------------
```

```
----------------------
Shimadzu Corporation
Model:         AUW120D
S/N:        D684297070
ID:              61100
Date:       2013-10-01
Time:           16:37:09
Sample No.  00000000247
----------------------
Tare:           10.001 mg
Gross:          10.002 mg
Net:             0.001 mg
----------------------
End Time:       16:37:10

Signature:
----------------------
```

```
---------<STAT>---------
No.001         10.006 mg
No.002         10.007 mg
No.003         10.008 mg
--------<RESULT>--------
N=                     3
T=              30.021 mg
MAX=            10.008 mg
MIN=            10.006 mg
RNG=             0.002 mg
MEAN=          10.0070 mg
SD=            0.001000 mg
CV=         0.009993005  %
------------------------
End Time:       16:40:46

Signature:
------------------------
```

```
---------<STAT>---------
No.001         10.006 mg
No.002         10.007 mg
No.003         10.008 mg
--------<RESULT>--------
N=                     3
T=              30.021 mg
MAX=            10.008 mg
MIN=            10.006 mg
RNG=             0.002 mg
MEAN=          10.0070 mg
SD=            0.001000 mg
CV=         0.009993005  %
------------------------
End Time:       16:40:46

Signature:
```

Density Determination Kit

MODEL: DK-250

DK-250 is suitable for all weighing balance if pan size is less than Ø 125 mm.

If your weighing balance does not have a density function, user can calculate the density using the below formula.

$$\text{Density} = \frac{(\text{Weight in Air}) \ \times \ (\text{SG of fluid})}{\text{Weight in Air} - \text{Weight in fluid}}$$
(gm/cm^3)

STANDARD ACCESSORIES:

- Beaker
- Stand for beaker
- Density kit bracket
- Hanging Holder 1
- Hanging Holder 2
- Thermometer

pH Meter Economy

Microprocessor based

MODEL: PH-3M

SALIENT FEATURES:

• Manual Temperature Compensation

• Large LCD display with blue backlight.

• Simultaneously displays pH & Temperature.

• Smart functions for calibration, data storage

• Automatically displays the percentage of slop after calibration is over

• Equipped with electrode holder, calibration powder & electrode

SPECIFICATIONS:

Model	PH-3M
Make	Galaxy
Range	0 to 14.00 pH
pH Resolution	0.1 pH/ 0.01 pH
Accuracy	± 0.01 pH
Calibration Points	up to 3 points
pH Buffer options	USA (pH 4.01, 7.00, 10.01)
mV Range	± 1999 mV
Accuracy	± 1% FS ±1 digit
Resolution	1 mV
Temperature Range	0 to 100°C
Accuracy	± 0.5°C
Resolution	0.1°C
Temperature Compensation	0 to 100°C, Manual
Connector	BNC
Display	Backlight LCD
Power	DC9v, AC220v, 50Hz
Dimensions & Weight	160 x 190 x 170 mm, 750g

STANDARD ACCESSORIES:

• pH Electrode

• pH Buffer

• Electrode Stand

• Adapter

• Instruction Manual

pH Meter 3 point

## Microprocessor based

MODEL: PH-100

SALIENT FEATURES:

• Large back light LCD display shows mode indicator ph value, temperature

• Up to 3 point push -button calibration with automatic buffer recognition

• Selectable pH buffer standards and temperature units.

• Automatically calculates and display electrode slope after calibration

• Automatic temperature compensation (ATC) ensure highly accurate measurements over the entire range.

• Automatic endpoint function freezes the stable measured value

• Setup menu allows setting the pH buffer group, number of calibration points, temperature unit, auto-power off, etc.

• Reset function can resumes all setting to factory default value

Galaxy PH-100 is an easy-to-use benchtop pH meter designed for daily testing and quality control. This meter has a clear and bright back light LCD display that show the measured pH value, temperature, mode indicators.
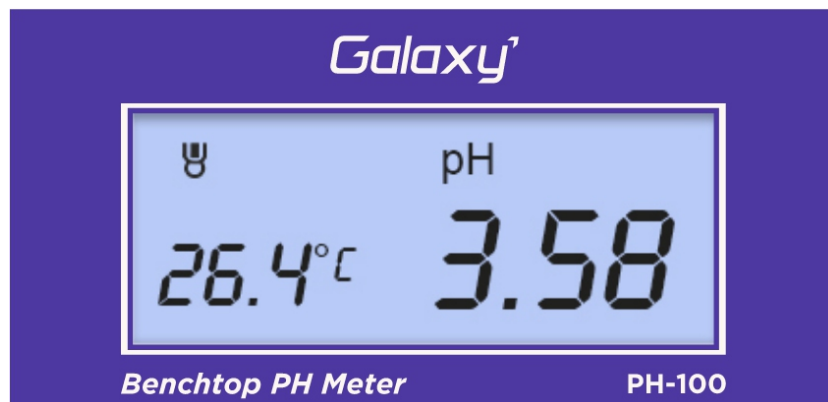
SPECIFICATIONS:

Model	PH-100
Make	Galaxy
pH — Range	-2 to 16.00 pH
pH Resolution	0.01 pH
Accuracy	± 0.01 pH
Calibration Points	up to 3 points
pH Buffer options	USA (pH 4.01, 7.00, 10.01) or NIST
mV / ORP — mV Range	± 1999 mV
Accuracy	± 1% FS ±1 digit
Resolution	1 mV
Temperature — Temperature Range	0 to 105°C
Accuracy	± 0.5°C
Resolution	0.1°C
Temperature Compensation	0 to 100°C, Manual/Automatic
Hold Function	Available
Auto Off Function	Available
Connector	BNC
Display	Backlight LCD
Power	DC9v, AC220v, 50Hz
Dimensions & Weight	210 x 205 x 75 mm, 1.5kg

FEW APPLICATIONS:

- Research & Education
- Water & effluent control
- Environmental & Agricultural monitoring
- Drinking water
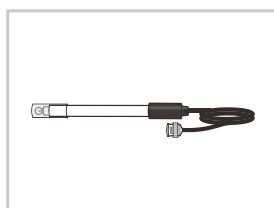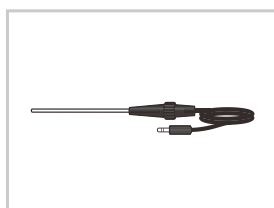- All other industrial application
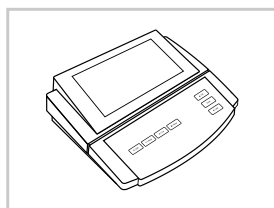
pH Meter
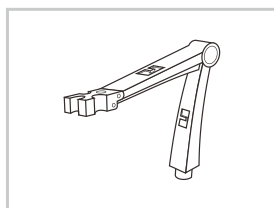
Electrode Holder Stand

pH Buffer

pH Electrode

Temperature Probe

Power Adapter

STANDARD ACCESSORIES:

- pH Electrode
- Temp. Probe
- pH Buffer
- Electrode Stand
- Adapter
- Instruction Manual

TDS & Conductivity Meter 3 point

MODEL: TDS-100

Microprocessor based

SALIENT FEATURES:

• Large back light LCD display shows mode
indicator, TDS or EC value, temperature

• Up to 3 point push -button calibration
with automatic buffer recognition

• Auto - ranging for conductivity &
TDS measurements

• Selectable TDS conversion factors &
temperature units (°C or °F)

• Adjustable TDS factors, cell constants &
temperature units.

• Automatic temperature compensation
(ATC) ensure highly accurate
measurements over the entire range.

• Automatic endpoint function freezes the stable measured value

• Setup menu allows setting the number of calibration points, temperature unit, auto-power off, etc.

• Reset function can resumes all setting to factory default value

Galaxy TDS-100 is an auto-ranging microprocessor Conductivity/TDS Meter for measuring the
conductivity & TDS of liquids. It is widely used in environmental & ecological studies for monitoring
the purity and concentration of liquids.
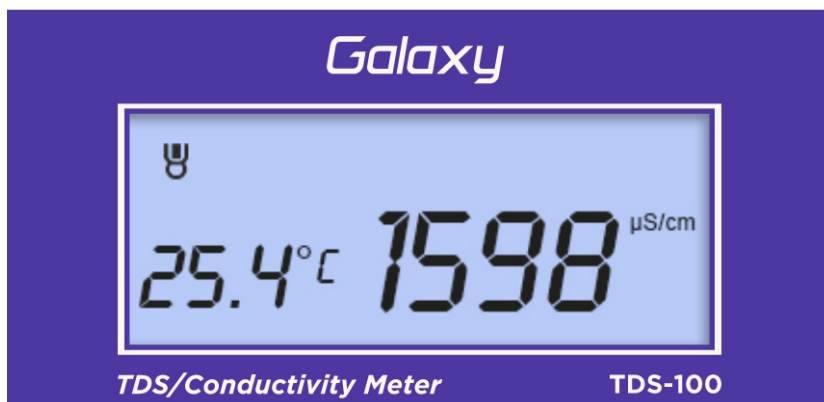
SPECIFICATIONS:

Model		TDS-100
	Make	Galaxy
Conductivity	Range	0~20.00, 200.0, 2000µS/cm, 20.00, 200.0 mS/cm (5 auto ranges)
	Accuracy	± 1% F.S
	Resolution	0.01, 0.1, 1
	Calibration Points	up to 3 points
	Buffer options	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm
	Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic
	Temperature Coefficient	0.0~10.0%/°C
	Cell Constant	K=0.1, 1, 10
	Normalization Temperature	25°C
TDS	Range	0~10 ppt (max. 200 ppt, depending on factor setting & ec range)
	Accuracy	± 1% F.S
	TDS Factor	0.1 to 1.0 (Default 0.5)
Temperature	Temperature Range	0 to 105°C
	Accuracy	± 0.5°C
	Resolution	0.1°C
	Hold & Auto Off Function	Both Available
	Connector & Display	6 pin Mini Plug & LCD Display
	Power	Dc9v, Ac220v, 50Hz
	Dimensions & Weight	210 x 205 x 75 mm, 1.5kg
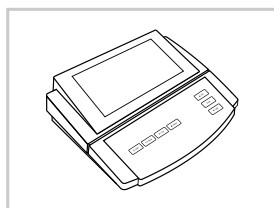
TDS/Conductivity Meter
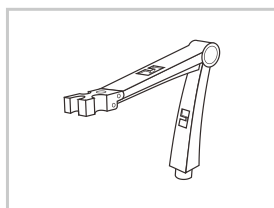
Electrode Holder Stand
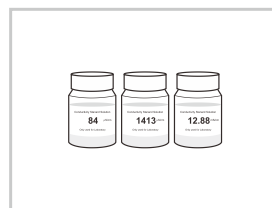
Conductivity Standard Buffer
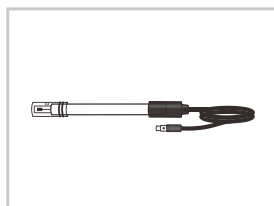
Conductivity Electrode
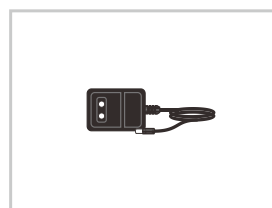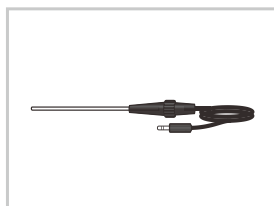

Temperature Probe
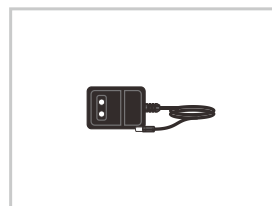
Power Adapter

STANDARD ACCESSORIES:

• TDS/EC Electrode

• Temp. Probe

• TDS Buffer

• Electrode Stand

• Adapter

• Instruction Manual

Galaxy'

pH Meter with Printer

5 point calibration

MODEL: A-120

SALIENT FEATURES:

pH:

• Up to 5 point push button calibration with automatic buffer recognition

• Selectable pH buffer standards and temperature units.

• Automatic buffer recognition & electrode diagnosis

ORP:

• 1 point offset calibration allows adjusting the value to a known standard

• Relative & absolute milivolt modes ensures reliable ORP measurement

General:

• Automatic temperature compensation (ATC) ensure highly accurate measurements over the entire range.

• Automatic endpoint function senses & freezes the stable measured value

• Interval readings data can be transfered to PC or printer

• Selectable high/low alarm automatically alerts when reading exceeds the specified range

• Password protection prevents unauthorized calibration & settings

• Can store & recall upto 1000 sets of data

• Setup menu allows setting the pH buffer group, number of calibration points, temperature unit, auto-power off, etc - total of 16 options.

• 7" Large interactive colorful display user friendly control options

• Built-in real time clock stamps & stores data to meet GLP standards

• Easy printing of "pH Analysis Report", "pH Calibration Report" & "pH Data Report"
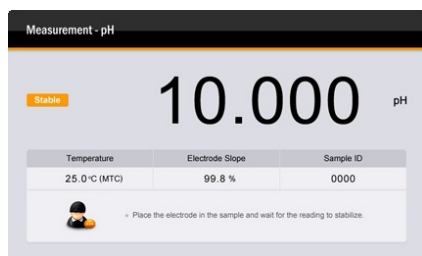
Measurement Screen
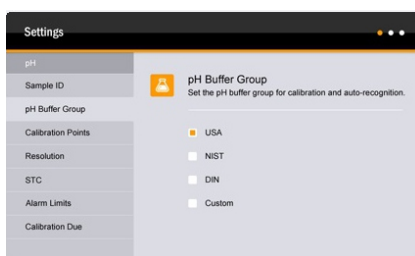
Includes 16 settings
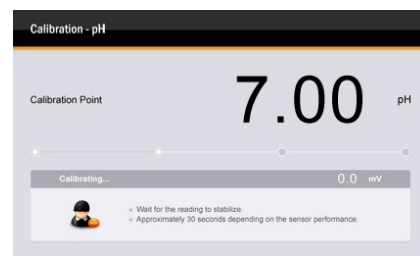
Calibration Screen

SPECIFICATIONS:

Model	A-120
Make	Galaxy
Range	-2.000 to 20.000 pH
pH Resolution	0.001/0.01 pH, selectable
Accuracy	± 0.002 pH
Calibration Points	up to 5 points
pH Buffer options	USA (pH 4.01, 7.00, 10.01) or NIST/DIN/ Custom User Defined
mV Range	± 2000 mV
Accuracy & Resolution	± 0.2 mV & Resolution: 0.1 mV
Temperature Range	0 to 105°C
Accuracy	± 0.5°C
Resolution	0.1°C/°F
Temperature Compensation	0 to 100°C, Manual/Automatic
Input Impendance & Stability	$<10^{12}$ Ω & Stability: Standard or high-accuracy
Calibration Due Alarm	1 to 31 days or off
Password Protecion	Yes, 4 Digit
Memory & Connector	1000 data sets & BNC Connector
Power	DC9v, AC220v, 50Hz
Dimensions & Weight	240 x 220 x 80 mm, 1.7kg

(Left sidebar labels: pH, ORP, Temperature)

STANDARD ACCESSORIES:
- pH Meter
- pH Electrode
- Temp. Probe
- pH Buffer
- Electrode Stand
- Thermal Printer
- Adapter
- Instruction Manual

User can print 3 types of reports as follows:

```
********** pH Analysis Report **********
Version 3.01
Model          : A120
Date           : 12/10/2022
Time           : 09:01:07
Sample ID      : 0000
pH Result      : 9.795pH
mV Result      : -165.4mV
Temperature    : 25.0(MTC)

Signature：.........................................
Date：.................................................
```

```
********* pH Calibration Report *********
Version 3.01
Model          : A120
Date           : 03/22/2022
Time           : 08:52:56
pH Buffer Group : USA
Temperature    : 25.0°C
```

Calibration Points	Slope Detail (%)
1.68 & 4.01	104.3
4.01 & 6.86	100.7
6.86 & 9.18	99.0
9.18 & 12.45	101.5

```
Average Slope   : 101.3%
Offset          : 8.0mV
Calibration Date : 03/22/2022
Calibration Time : 08:45:02
Calibration Due  : 10Day(s)

Signature：....................................
Date：...........................................
```

```
*********** pH Data Report *************
Version 3.01
Model          : A120
Date           : 03/22/2022
Time           : 09:03:30
```

No.	ID	Reading	Temp
01	03/18/2022 13:09:00 0000	4.841pH	25.0°C
02	03/18/2022 13:09:08 0000	4.849pH	25.0°C
03	03/18/2022 13:09:11 0000	4.854pH	25.0°C
04	03/18/2022 13:09:04 0000	4.854pH	25.0°C
05	03/18/2022 13:09:08 0000	4.849pH	25.0°C

```
Signature：...................................
Date：.........................................
```

Water Quality Multi-parameter Tester

MODEL: GMP-30

Microprocessor based

7 in 1 Unique Machine:

• pH

• ORP (mV)

• Conductivity

• TDS

• Salinity

• Resistivity

• Temperature(°C)

SALIENT FEATURES:

• PH MODE: Up to 5 points push-button calibration with auto-buffer recognition . Selectable pH buffer Standards(USA, DIN, NIST. Automatically calculates and display electrode slope that help you decide whether to replace pH electrode. calibration due reminder prompts you to calibration the meter regularly.

• ORP MODE : Absolute or Relative mV measurements provides accurate ORP measured value 1 point offset calibration allows user adjusts displayed to a known standard.

• CONDUCTIVITY /TDS/SALINITY/RESISTIVITY MODE : Up to 5-point push-button calibration allows user to users customized calibration solutions. Default 10uS, 84uS 1413uS, 12.88mS and 111.8mS) Adjustable TDS conversion factor ,cell constant ,temperature coefficients and normalization temperature . (20°C or 25°C) Allows user selects linear or pure water temperature compensation modes. In salinity measurement modes, Selectable practical salinity (PSU) or seawater measurements standards. (ppt)

- Selectable either temperature units between degree Celsius (°C) and degree Fahrenheit (°F).
- Automatic temperature Compensation (ATS) ensure high accuracy of measurements..
- Automatic endpoint function freezes the stable measured value for easy reading and recording data.
- Help message as a operational guide to helps you understand how to use meter.
- Setup menu lets users customize the calibration points, stability condition of measurements, temp. units and date/time to meet personal preference.
- Reset function allows user to return all setting to the factory default value.
- Expanded memory stores and recalls store upto 500 readings.
- Built-in real time clock stamp stored data to meet GLP standards.
- The multi-parameter water quality meter is equipped with an easy-read LCD display that used to show the measured values and mode icons. The following table describes the function of each icon.

| pH | ORP | ION | DO | Measure | Calibration | Setup | Memory |
| COND | TDS | SAL | RES | | | | |

Stable
HOLD

−18.8.8.8

MESSAGE:
- Press MEAS to freeze or release the measured value
- Press MI to store the current reading
- Press MR to retrieve the stored data
- Press MODE to select the measurement mode
- Press CAL to enter calibration mode
- Press and hold the °C to set sample temperature
- Immerse the sensor in the calibration solution
- Press ▲ or ▼ to select option or value
- Press ENTER to confirm
- Check the sensor or calibration solution
- Press MEAS to return to measurement mode

Smart Large Display

Measure	Hold	Setup
Calibration		Memory
Stable	ATC	Slope

Smart Icons

① ② ③ ④ ⑤ ⑥

pH/ISE ATC DO COND REF USB/⏻

Connectors

Main Instrument

Electrode Holder Stand

pH10.01 pH7.00 pH4.01@25°C

84 1413 12.88
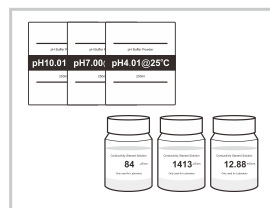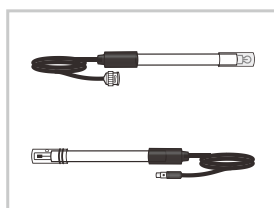
Standard Buffers

pH Electode & Conductivity Electrode
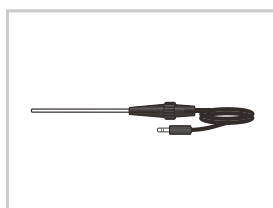
Temperature Probe
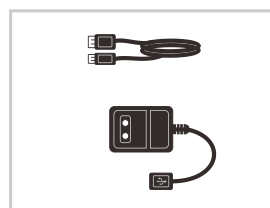
Power Adapter & USB Cable

STANDARD ACCESSORIES:

- pH Electrode
- Temp. Probe
- Conductivity Cell(1.0)
- pH Buffer
- Electrode Stand
- Adapter
- Instruction Manual

Galaxy'

LABORATORY & INDUSTRIAL SOLUTIONS

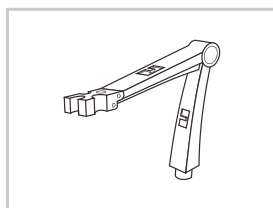| Model	GMP-30
Make	Galaxy
pH	
pH range	-2.000~20.000 pH
Resolution	0.001,0.01,0.01pH, Selectable
Accuracy & Calibration Points	±0.002 pH & up to 5 points
pH buffer Option	USA,(pH 1.68, 4.01, 7.00 , 10.01, 12.45)
	NIST (pH 1.68/4.01/6.86/9.18/12.45)
	DIN (pH 1.09, 4.65, 6.79, 9.23, 12.75)
mV / ORP	
ORP (mV) Range/Calibration	0~±1999.9 mV/ 1 point
Resolution & Accuracy	0.1,/1mV Selectable & ±0.2 mV
Measuring Mode	Absolute mV or Relative mV
Conductivity	
Conductivity Range	0~200mS / cm
Resolution & Accuracy	0.01 / 0.1 / 1 & ±0.5% F Full Scale
Cell Constant	0.01/1/10 user defined
Temperature Coefficient	0.0~10.0 % per °C
Calibration Points	Up to 5 point
Calibration Solution	10µS/cm, 48µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm
Compensation Modes	Linear or pure water
TDS	
TDS Range	0~10ppt (Max. 200ppt, Depending on factor setting
Resolution & Accuracy	0.01/0.1/1 & ± 1% Full Scale
TDS Factor	0.0~1.0
Salinity	
Salinity Range	0~80ppt
Resolution & Accuracy	0.01/0.1/1 & ± 1% Full Scale
Measurement Mode	Practical Salinity (PSU) or Seawater Measurement Standard (ppt)
Resistivity	
Resistivity Range	0~100MΩ
Resolution & Accuracy	1/0.1/0.01 & ± 1% Full size
Temperature	
Temp. Range	0~100 °C, /32~212°F
Temp. Compensation	Automatic or Manual
Temp. Accuracy	± 0.5 °C, ±0.9 °F
Dimensions & Weight	210 x 188 x 60mm & 1.2kg

STANDARD ACCESSORIES:
- pH Electrode
- Temp. Probe
- Conductivity Cell (1.0)
- pH Buffer (4.01, 7.00, 10.01)
- Electrode Stand & Adapter
- Instruction Manual

Water Quality Multi-parameter Tester with Printer

MODEL: GMP-30P

Microprocessor based

It is same as GMP-30 but with compatible & configured printer

Press the 'ENTER' key to simply print the measured data.

Printout format is as below:

Report
Measure: 7.917 pH
Temperature: 25.0
Date: 02-07-2023
Time: 15:51:04
Sample:
Signature:

pH

Report
Measure: 1287 ppm
Temperature: 25.0
Date: 02-07-2023
Time: 15:51:04
Sample:
Signature:

TDS

Report
Measure: 16 µS/cm
Temperature: 25.0
Date: 02-07-2023
Time: 15:51:04
Sample:
Signature:

Conductivity

Report
Measure: 13 MΩ
Temperature: 25.0
Date: 02-07-2023
Time: 15:51:04
Sample:
Signature:

Resistivity

Report
Measure: 14 ppt
Temperature: 25.0
Date: 02-07-2023
Time: 15:51:04
Sample:
Signature:

Salinity

Galaxy'

pH Meter 5 point + ION Meter

MODEL: PH-500

Microprocessor based

4 in 1 Unique Machine:

• pH (5 point CAL)

• ION

• ORP (mV)

• Temperature(°C)

PH-500 is a high accuracy machine used for measuring ION concentration, ORP, pH & Temperature.

SALIENT FEATURES:

• During the pH mode, up to 5 point auto calibration with push-button calibration

• Selectable pH Standard & Temp. units

• Automatically calculates & displays electrode slope

• In ION mode, 2 to 5 point calibration from low to high concentrations

• Direct ION readout

• Automatic Temperature Compensation(ATC) ensures high accuracy

• Automatic endpoint function freezes the measured value for easy reading and recording the data

• Calibration due reminder prompts to calibrate the meter regularly

• Setup menu lets user customize buffer standards, calibration points, stability conditions, resolution, measurement units, date & time

• Reset function can resume all settings to factory default values

• Built-in real time clock stamps stored data to meet GLP standards

• Exanded memory stores & recalls upto 500 readings

Galaxy'

Model	PH-500
Make	Galaxy
pH range	-2.000~20.000 pH
Resolution	0.001,0.01,0.01pH, Selectable
Accuracy & Calibration Points	±0.002 pH & up to 5 points
pH buffer Option	USA,(pH 1.68, 4.01, 7.00 , 10.01, 12.45)
	NIST (pH 1.68/4.01/6.86/9.18/12.45)
	DIN (pH 1.09, 4.65, 6.79, 9.23, 12.75) or user defined
ION Concentration Range	0.001~19999 ppm, mol/L (selectable depending on range of ISE)
ION Concentration Accuracy	±0.5% F.S (monovalent), ±1% F.S (divalent)
ION Resolution	0.001, 0.01, 0.1, 1
Calibration Points	up to 5 points
ORP (mV) Range/Calibration	0~±1999.9 mV/ 1 point
Resolution & Accuracy	0.1,/1mV Selectable & ±0.2 mV
Measuring Mode	Absolute mV or Relative mV
Temp. Range & Resolution	ATC 0~105 °C, /32~212°F & 0.1 °C
Temp. Accuracy	± 0.5 °C, ±0.9 °F
Memory	500 data sets with date & time
Stability Condition	Low or High, selectable
Calibration Reminder	1 to 31 days or OFF
Power Source	DC 5V adapter, AC 220V
Dimensions	210 x 188 x 60 mm & 1.2kg

The left side of the table has vertical labels: pH, ION, mV/ORP, Temp.
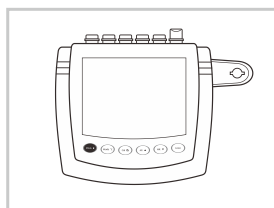
Main Instrument
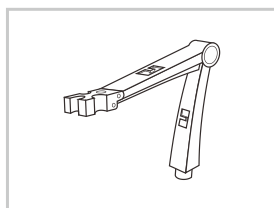
Electrode Holder Stand

Standard Buffers
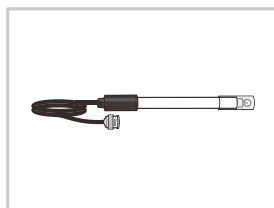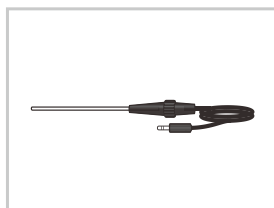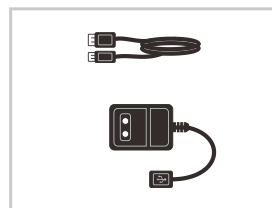
pH Electode

Temperature Probe

Power Adapter & USB Cable

STANDARD ACCESSORIES:

• pH Electrode

• Temp. Probe

• pH Buffer

• Electrode Stand

• Adapter

• Instruction Manual

Galaxy'

Dissolved Oxygen (DO) Meter

MODEL: DO-980

Microprocessor based

SALIENT FEATURES:

• 1 or 2 points auto-calibration (100% in saturated air or air saturated water, 0% in zero oxygen solution).

• Automatically compensates salinity and barometric pressure after manual input.

• Selectable readout in ppm, mg/L or % saturation.

• Selectable temperature units : °C & °F

• Automatic temperature compensation ensure high accuracy of measurement.

• Automatic endpoint function freezer the stable measured values for easy reading and recording data.

• Calibration due reminder prompts you to calibrate the matter regularly.

• Help message as an operational guide to guide to help you understand how to use meter

• Setup menu lets user customize calibration point, resolution, stability condition of measurements, temperature unit, date / time to meet personal preferences. • Expanded memory stores and recalls up to 500 readings • Built-in -real -time clock stamps stored data to meet GLP standards

SPECIFICATIONS:

Model	DO-980
Dissolved Oxygen range	0.00~20.00 mg/L or ppm
Resolution	0.1, 0.01 ppm (selectable)
Accuracy	±0.2 mg/L or ppm
Saturation of Oxygen	0.0 ~ 200.0 %
Accuracy	±2.0%
Temperature Range & Accuracy	0.0 ~ 50.0°C & ± 0.5°C
Temperature Compensation	0~50°C, Automatic
Salinity Correction	0 ~ 50g/L
Barometric pressure correction	60.0 ~ 112.5kPa , 450~850 mmHg
Calibration Point	1 or 2 points (100% in air or 0% in zero oxygen solution)
Memory	500 data set with data & time
Power Supply	DC 5V adapter ,using AC 220V / 50HZ
Dimensions L x W x H (mm) & Weight	210 X 188 X 60 & 1.2 kg

Accessories for Electrochemical Testers

pH Electrode

Model	PE-4
Range	0~14 pH
Temp. Range	0~60°C
Reference	AgCl
Body & Connector	Plastic, BNC
Dimensions	12(∅) x 150(L)mm

pH Electrode (suitable for 5 point)

Model	PE-5
Range	0~14 pH
Temp. Range	0~100°C
Reference	AgCl
Body & Connector	Glass, BNC
Dimensions	12(∅) x 150(L)mm

TDS/Conductivity Cell

Model	CON-1	CON-10	CON-0.1	CON-1-3P
Range	10 µS/cm to 20 mS/cm	0.1 to 200 mS/cm	0 to 100 µS/cm	10 µS/cm to 20 mS/cm
Cell Constant	K=1	K=10	K=0.1	K=1
Material	Platinum sensor, glass body			
Temp. Range	0 to 80°C	0 to 80°C	0 to 80°C	0 to 80°C
Connector	6-pin mini-DIN	6-pin mini-DIN	6-pin mini-DIN	3-pin mini-DIN
Dimensions	12(∅) x 150(L)mm	12(∅) x 150(L)mm	12(∅) x 150(L)mm	12(∅) x 150(L)mm

Dissolved Oxygen Probe

Model	DO-1
Range	0~20mg/L
Sensor	Polarographic
Temp.	0~50°C
Connector	6-pin mini-DIN
Dimensions	12(∅) x 150(L)mm

Temperature Probe

Model	TP-10K
Temp. Range	0 to 105°C
Sensor	NTC 10 KΩ
Body	S. steel and plastic
Connector	3.5 mm jack plug
Dimensions	120 × 3(∅) mm

Turbidity Meter

with TSS measuring mode

MODEL: TB-200

Turbidity is the cloudiness or haziness of a fluid caused by large numbers of individual particles that may or may not invisible to the naked eye.

SALIENT FEATURES:
- 2 to 7 points calibration using the Formazin Standards
- Selectable 4 turbidity units - NTU, FNU, EBC and ASBC
- TSS conversion factor ensures the accurate measurement of the total suspended solids.
- Auto-Read function senses and locks a stable reading
- Setup menu allows setting the date and time, measurement mode, resolution etc
- Password protection prevents the unauthorized calibration and settings

SPECIFICATIONS:

Model	TB-200
Make	Galaxy
Turbidity Range	0~2000 NTU, 0~ 500 EBC, 0~ 9999 ASBC
Turbidity Resolution	0.01 (0~99NTU), 0.1(100~999NTU), 1(1000~2000NTU)
Turbidity Accuracy	±2% of reading (0~500NTU), ±3% of reading (501~2000NTU)
Calibration Points	2 to 7 points
Calibration Standards	0.02, 10, 200, 500, 1000, 1500, 2000 NTU
TSS Range	Depending on the TSS conversion factor
TSS Accuracy	3% of reading
Light Source	Infrared-emitting diode (850nm)
Detector	Silicon Photodiode
Stray Light	< 0.02 NTU
Sample Vial	60(H) x 25(dia) mm
Memory & Data Output	200 data sets & USB Data output
Operating Temperature	0~50°C
Display	4.5 inches TFT LCD
Power Supply	DC12V Power Adapter
Dimensions & Weight	250 x 177 x 96 mm & 1.2 kg

STANDARD ACCESSORIES:
- Adapter
- Sample Vial
- Instruction Manual
- Standard Solution

Digital Abbe Refractometer

MODEL: WYA-2S

SALIENT FEATURES:

- Measurement of refractive index nD of transparent or translucent liquid and solid substance
- Measurement of brix % of sugar solutions
- Prism made of hard glass.
- Visual aim and LCD display
- Automatic correction of the effect of temperature on the brix (Automatic Temp. Compensation)
- Printer interface for direct data print-out

This instrument is widely used in petroleum, chemical, pharmaceutical, sugar, refining and food industries. WYA-2S also has wide scope of use in related colleges, universities & scientific research institutions for meaning the refractive index nD of transparent, sub-transparent liquid or solid substance. The instruments can also be used to measure the Brix % of the sugar solution, and correct the affect of temperature on the brix automatically.

SPECIFICATIONS:

Model	WYA-2S
Make	Galaxy
Measurement range refractive index nD	1.3000-1.7000
Measurement range refractive index Brix	0-100 %
Accuracy refractive index nD	≤ ±0.0002
Accuracy Dissolve solids Brix	± ≤ 0.1 %
Temperature Resolution	0.1° C
Temperature Range (Min 0.1°C)	0-50° C
Correcting range of brix versus	15-45° C
Usage Temperature Range	Ambient to 35° C
Interface	RS232C
Dimensions & Weight	370 x 240 x 470 mm - 12 kg

STANDARD ACCESSORIES:

- Contact Fluid
- Calibration Block
- Calibration Screwdriver
- Power cord
- Instruction Manual

Galaxy'

Digital Portable Refractometer

MODEL: PR-90

SALIENT FEATURES:

• Automatic 1 touch measurement

• Can be calibrated to 0 using pure water

• Automatic temperature compensation

• 2 in 1: Brix & nD Combo

   Can change scale by single touch

SPECIFICATIONS:

Model	PR-90
Make	Galaxy
Measurement range	Brix: 0~90 %
	nD: 1.3330 ~ 1.5177
Resolution	Brix: 0.1 %, nD: 0.0001
Accuracy	Brix: ± 0.1%, nD: ±0.0003
Measurement range (Temp.)	0 ~ 80°C
Resolution	0.1°C
Accuracy	± 1°C
Light Source	Yellow LED
Measurement Time	1.5 sec
Sample Volume	300 µL
Power Source	2 x 1.5v(AAA)
Dimensions & Weight	130 x 55 x 25 mm - 0.2 kg

STANDARD ACCESSORIES:

• Main Unit

• Pasteur Pipette

• Screwdriver

• Batteries

• Instruction Manual

Refrigerated Circulating Bath

SALIENT FEATURES:

• PT-100 temperature sensor for accurate results

• Both side handle for easy moving

• Overheat protection and liquid level alarm function

• Fast cooling, low noise, low vibration

• Stable & reliable performance

• Microprocessor based PID controlled results in
   high precision

• Programable temperature controller

• Liquid to be used: 5°C & below: Alcohol or Anti-freeze
                              5 ~ 85°C   : Pure water
                              85 ~ 95°C   : 15% Glycerin & water

SPECIFICATIONS:

Model	RCB-6	RCB-12
Make	Galaxy	Galaxy
Temp. Control Range	-20°C ~ 100°C	
T Resolution & Accuracy	Resolution: 0.01°C, Accuracy: ±0.05°C	
Temp. Control	Microprocessor PID	
Display	LCD	
Refrigeration Mode	Air cooled refrigeration through compressor	
Refrigerant	R134A	
Pump Circulation	Internal & External	
Temp. Sensor	PT-100	
Pump Flow Rate	6L/min	
Tank Capacity	6L	12L
Tank Size	250 x 200 x 150 mm	300 x 250 x 200 mm
Bath Opening	180 x 140 mm	235 x 160 mm
Bath Depth	150 mm	200 mm
Power Supply	AC 220v / 50 Hz	
Dimension	320 x 370 x 655 mm	320 x 370 x 765 mm
Packing Dimensions	530 x 450 x 800 mm	530 x 450 x 900 mm
Weight	44 kgs	50 kgs

**STANDARD
ACCESSORIES:**

• SS Lid

• Tube for connecting

• Instruction Manual

Digital Ultrasonic Cleaner (Sonicator)

with Timer, Heater & Basket

SALIENT FEATURES:

• Inner Tank & Outer Body is made of Stainless Steel
• Digital Red LED display
• Temperature & Timer function
• Sports ceramic heaters which are efficient
• Drainage & cooling fan from 6L onwards
• High performance transducers
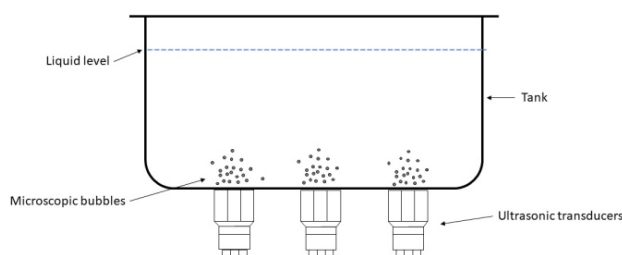
Digital Ultrasonic cleaning is based on the cavitation effect caused by high frequency wave vibration in the fluid caused by the ultrasonic transducers. Microscopic bubbles are formed and the implode violently causing cavitation which creates an intense scrubbing action on the surface of the item being cleaned. The bubbles are small enough to penetrate microscopic dents & crevices, cleaning them thoroughly and consistently.

Ultrasonic Cleaning is extremely effective at removing dirt and grime which would normally require tedious manual cleaning by hand. It has been used to clean a wife variety of instruments and mechanical parts such as carburetors, toner heads, metal parts, gears, watches, surgical instruments, PCBS, etc returning them to almost like new condition without damaging parts.

FEW APPLICATIONS:

• Industrial parts
• Surgical Tools
• PCB Boards
• Toner Heads
• Lens
• Jewellery
• Automotive Parts

Lab grade series is ideal for applications where operation time is shorter than 30 minutes.

These ultrasonic cleaners can be used for a maximum of 30 minutes at a stretch,

after 30 minutes of operation, 15 minutes of rest time is required before it can be used again.

Lab Grade (for short operating time)

Model	UC-1002	UC-1003	UC-1004	UC-1006	UC-1010	UC-1015	UC-1022	UC-1030
Theoretical Capacity	2.0L	3.2L	4.5L	6.5L	10.0L	15.0L	22.0L	30.0L
Acutal water filling	1.6 L	2.5 L	3.5 L	5 L	8 L	12 L	18 L	27 L
Tank Size (mm)	150*135*100	240*135*100	300*150*100	300*150*150	300*240*150	330*300*150	500*300*150	500*300*200
Overall Size (mm)	180*165*205	270*185*230	330*180*240	375*200*275	330*270*310	360*330*310	530*330*310	530*325*325
Ultrasonic Power	60W	120W	180W	180W	240W	360W	480W	600W
Heating Power	100W	100W	200W	200W	200W	300W	500W	500W
Tank Drainage Valve	No	No	No	Yes	Yes	Yes	Yes	Yes
Time Setting	1-30 mins	1-30 mins	1-30 mins	1-30 mins	1-30 mins	1-30 mins	1-30 mins	1-30 mins
Heating Temp.	0-60°C	0-60°C	0-60°C	0-60°C	0-60°C	0-60°C	0-60°C	0-60°C
Display	LED	LED	LED	LED	LED	LED	LED	LED
Frequency	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz
Lid Material	SS 204	SS 204	SS 204	SS 204	SS 204	SS 204	SS 204	SS 204
Inner Tank Material	SS 304	SS 304	SS 304	SS 304	SS 304	SS 304	SS 304	SS 304
Power Supply	AC 220V	AC 220V	AC 220V	AC 220V	AC 220V	AC 220V	AC 220V	AC 220V
Weight	2.4kg	3.6kg	4.9kg	5.4kg	7.5kg	10kg	11kg	18kg

STANDARD ACCESSORIES:
- Main Instrument
- Basket
- Instruction Manual
- Lid
- Power Cord

Professional Digital Ultrasonic Cleaner (Sonicator)

with Timer, Heater & Basket

SALIENT FEATURES:

- Inner Tank & Outer Body is made of Stainless Steel
- Digital LED display
- Low water cut-off protection
- Temperature & Timer function
- Sports ceramic heaters which are efficient
- Drainage & cooling fan
- High performance industrial transducers

Professional series is ideal for applications where operation time is more than 30 minutes.

In addition, professional series has industrial grade transducers as well as heaters for high performance.

These ultrasonic cleaners can be used for 99 minutes at a stretch, after 99 minutes of operation,

15 minutes of rest time is required before it can be used again.

SPECIFICATIONS:

Model	UC-10P
Make	Galaxy
Theoretical Capacity	10 Litre
Actual water filling	8 Litre
Tank Size (mm)	300 x 240 x 150
Overall Size (mm)	330 x 270 x 310
Ultrasonic Power	420 W
Heating Power	1000 W
Tank, Body, Lid Material	Stainless Steel 304
Time Setting	1 to 99 mins / Always On
Heating Temp.	Ambient to 80°C
Display & Ultrasonic Frequency	LED Display, 40 kHz
Power Supply	220v / 50 Hz
Weight	9 kg

STANDARD ACCESSORIES:

- Main Instrument
- Lid
- Basket
- Power Cord
- Instruction Manual

Ultrasonic Probe Sonicator

With Sound Proof Enclosure (in-built)

MODEL: PRO-650

SALIENT FEATURES:

- Microprocessor controlled & completely programmable
- Large 8" touchscreen display
- Temperature indicator & max temp. alarm
- Motorized operation table for ease
- Auto-frequency for convenience & optimal processing
- Variable power setting
- Auto frequency tracking
- Safety Alarms

SPECIFICATIONS:

Model	PRO-650
Make	Galaxy
Frequency	18-28 kHz Auto Tracking
Frequency tracking accuracy	1 Hz real-time tracking
Processing Capacity	0.5ml to 500 ml
Standard Probe	Ø 6 mm (1/4")
Display	8" Touchscreen
Display Function	Temperature, Power, Time, Pulse ON/OFF Time
Temperature Range	0-99°C
Timer	Yes upto 99 hours, 59 mins, 59 secs
Alarm Functions	Over temperature, over current, over load, transducer abnormality, etc.
Operating Table	Electrically operated motorized
Lighting	Available inside cabinet
Data Memory	9 Memory Group
Output Power	650W (adjustable)
Dimensions	280 x 280 x 490 mm / 10.2 kgs

STANDARD ACCESSORIES:

- Ø 6 mm Probe
- Power cord
- Temp. Probe (fitted)
- Soundproof box (fitted with main instrument)
- Instruction Manual

Various size probes for Probe Sonicator
Also known as Horns

Horns (also known as probes) are made from titanium and machined to specific sizes and shapes. When driven at their resonant frequency, they expand and contract longitudinally. This mechanical vibration is amplified and transmitted down the length of the probe. In liquid, the probe causes cavitation which constitutes the main mechanism for sample processing.

Choosing the appropriate horn is extremely important. The sample volume to be processed is directly related to the tip diameter. Smaller tip diameters (Microtip probes) deliver high intensity sonication, but the energy is focussed within a small, concentrated area. Larger tip diameters can process larger volumes, but offer lower intensity.

SPECIFICATIONS:

Part Number	Tip Diameter	Processing Capacity	Power Ratio	Amplitude (microns)
PPS-2	Ø 2	0.5 ~ 5 ml	1 ~ 40%	320 µm
PPS-3	Ø 3	3 ~ 10 ml	1 ~ 50%	380 µm
PPS-6	Ø 6	10 ~ 100 ml	1 ~ 70%	200 µm
PPS-8	Ø 8	20 ~ 200 ml	1 ~ 80%	160 µm
PPS-10	Ø 10	30 ~ 300 ml	1 ~ 90%	140 µm
PPS-12	Ø 12	50 ~ 500 ml	20 ~ 95%	120 µm

Amplitude mentioned is calculated at 100% power.

Spare/Additional Probes are to be attached with a set of wrenches especially designed for easily removing & attaching the probes to the ultrasonic convertor.

Large spanner
Large spanner hole
Energy converter
Soft material
Working platform
M10 bolt
Small spanner hole
Amplitude transformer
Small spanner
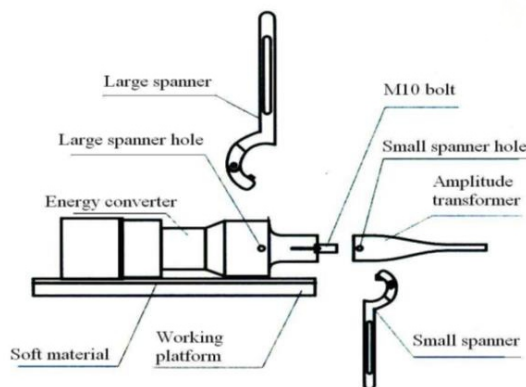
Ice Flaker Machine

SALIENT FEATURES:

• Fully Automatic Microprocessor control.

• Stainless Steel construction.

• Continuous ice flakes output

• CFC free compressor

• Low water level indication

• Overload protection

• Noiseless operation

• Compact Design and low maintenance

SPECIFICATIONS:

Model	IFM-30	IFM-50	IFM-100	IFM-150
Make	Galaxy	Galaxy	Galaxy	Galaxy
Capacityof Ice Flaker	30 kg / 24 hr	50 kg / 24 hr	100 kg / 24 hr	150 kg / 24 hr
Storage Capacity	10 kg	15 kg	40 kg	40 kg
Storage Bin	ABS Plastic			
Cooling Method	Air (inside R290A refrigerant)			
Ambient Temperature	Below 25°C for optimum working			
Construction	Stainless Steel			
Noise Level	≤52 dB			
Water Supply	3/4" BSP			
Refrigerant	R290A			
Power Supply	AC 220V / 50 Hz			
Input Power	300 W	380 W	520 W	680 W
Dimensions (mm)	330 x 440 x 605	400 x 540 x 700	500 x 611 x 950	500 x 611 x 950
Gross Weight	26 kg	36 kg	58 kg	60 kg

Galaxy'

Dehumidifier

MODEL: DH-30

SALIENT FEATURES:

- Large 5L water tank & piped draining available
- Internationally famous brand of compressor used
- Water full alarm, washable air filter, auto defrost
- 5 humidity modes: Continuous,

  40%, 50%, 60%, 70% RH

- Timer function   • Dual stage fan
- Auto defrost   • Water full alarm
- Water tank indicator   • With washable air filters
- Continuous draining available
- Application Area: 3000 to 4000 cu. ft.

SPECIFICATIONS:

Model	DH-30
Make	Galaxy
Extraction (30°C, 80% RH)	30L per 24 hours
Type	Condensing
Recommended Coverage (Home)	4000 cu. ft. / 113 cu. mt.
Recommended Coverage (Industry)	3000 cu. ft. / 84 cu. mt.
Power consumption	430 W
Air Flow	160 m^3/hour
Noise Level (approx.)	≤41dB(A)
Compressor	Rotary (Make: GMCC)
Water Tank	5 Litre
Running Temperature	5 ~ 35°C
Auto Restart & Auto Resume	Available
Timer function	Available
Humidity Setting & Display	Electronic
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	380 x 230 x 600 mm / 14 kgs

STANDARD ACCESSORIES:

- Air filter (fitted inside main unit)
- Power Cord
- Instruction Manual

pH Meter + Stirrer Combo

MODEL: PHS-500C

SALIENT FEATURES:

- Fully Automatic Microprocessor control.
- Ceramic coated work plate
- Adjustable stirring times & speeds
- Automatic temperature compensation
  ensures accurate readings over the entire range
- Classical benchtop pH meter equipped with
  large back-light LCD display

SPECIFICATIONS:

Model	PHS-500C
Make	Galaxy
Range	0.00 ~ 14.00 pH
Accuracy	± 0.01 ph
Calibration Point	2 points (pH 4.01/7.00/10.01)
Range	± 1999 mV
Accuracy	±1mV
Range	0~100°C
Resolution & Accuracy	Resolution: 0.1°C & Accuracy: ±0.5°C
Stirring Volume	0~2000 ml
Stirring Speed	0~1250 RPM
Top Plate Size & Material	Ceramic
Timer Range	0 to 999 minutes
Temperature Compensation	0 ~ 100°C
Connector	BNC
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	210 x 205 x 75 mm / 1.5 kgs

Row group labels (left side): pH, mV/ORP, Temp., Stirring, General

STANDARD ACCESSORIES:

- pH Electrode
- Electrode Arm
- pH Buffer Pouches
- Stir Bars
- Instruction Manual

Digital Hot Plate Magnetic Stirrer

MODEL: HMS-5LC

Ceramic Top

SALIENT FEATURES:

• Digital LCD Display with back light.

• Big Size Ceramic hot plate with flame protection and durability.

• Heating and stirring can proceed simultaneously.

• Temperature & Stirring speed is step-less adjusted.

• Real temperature & speed display on the screen simultaneously

• Two sensors, outside PT 100 sensor control the liquid temperature, inside K type sensor control the hot plate temperature (selectable).

• Over temperature alarm

• With Digital control & time setting

SPECIFICATIONS:

Model	HMS-5LC
Make	Galaxy
Display	Digital
Speed (RPM)	200-2000
Minimum Resolution (RPM)	200 RPM
Plate Size (mm)	190 x 190
Top Plate type	Ceramic
Max. Volume (ml)	5000
Temp. Sensor	PT100
Temp. controller	PID
Max Temp. (plate surface)	300° C
Temp. Resolution	0.1° C
Temp. Accuracy	±0.5°C (<100° C)± 1° C(<300° C)
Power wattage	Heating: 600 W, Stirring: 20 W
Power Supply	AC 220V / 50Hz
Dimension L x W x H (mm)	300x190x126
Weight	5kg

STANDARD ACCESSORIES:

• Stir Bar

• Temperature Probe

• Stand

• Instruction Manual

Digital Hotplate Magnetic Stirrer
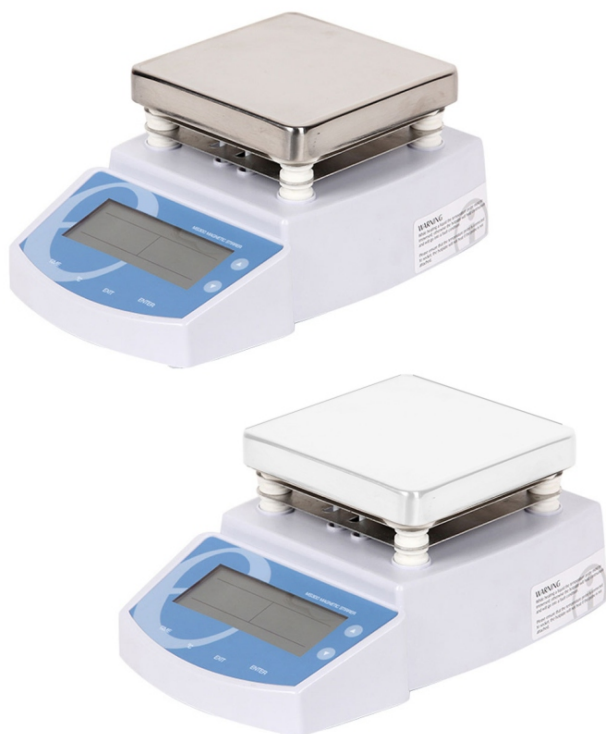
SALIENT FEATURES:

• MICROPROCESSOR CONTROL: Operated by a digital
  control CUP.
  The CPU regulates the heating up to 300° C

• DIGITAL SPEED CONTROL: Stirring speed is also
  controlled by the CPU from the keyboard while the
  stirring speed is indicated on the bar graph.

• PROGRAMABLE: Operator can setup the objective
  temperature, hold temperature, stirring time
  and speed.

• AUTOMATIC TEMPERATURE CONTROL: Connect the
  temperature probe and place into glass container
  being stirred to measure and maintain the
  object temperature. Accuracy is ± 1°C.

SPECIFICATIONS:

Model	MS-300	MS-300C
Make	Galaxy	Galaxy
Display	LCD	LCD
Max. Volume (ml)	2000 ml	2000 ml
Speed (RPM)	1250 RPM	1250 RPM
Top Plate Size	135 x135 mm	135 x135 mm
Plate Material	Steel	Ceramic
Max.Temp.(Plate Surface)	300°C	300°C
Temp. Accuracy	±1°C (<100°C) ± 3° C (<300°C)	
Timer	999 Minutes	999 Minutes
Power supply	AC 220V / 50 Hz	AC 220V / 50 Hz
Dimension LxWxH (mm)	230 x 180 x 120	230 x 180 x 120
Weight	2.3 kg	2.3 kg

STANDARD ACCESSORIES:

• Stir Bar

• Temperature Probe

• Instruction Manual

Galaxy¹

Digital Rotational Viscometer

MODEL: GV-60

SALIENT FEATURES:

- Auto Range function
- 8 Speed selection
- Direct Viscosity reading and temperature display
- Large bright back-light LCD Display
- Viscosity value is accurate to 2 decimals = 0.01 mpa.s
- With automatic scanning function, the instrument can automatically recommend a suitable combination of rotor and speed
- Can automatically display the range of viscosity that can be measured by the selected combination

SPECIFICATIONS:

Model	GV-60
Make	Galaxy
Measuring Range mpa.s	20~20,00,000 mpa.s
Measurement Resolution	0.01 mpa.s (Full scale)
Speed	0.3, 0.6, 1.5, 3, 6, 12 ,30 60 RPM
No of Speed	8 speed settings
No of Standard Spindle	4
Display	LCD
Auto Scan Function	Can automatically scan and recommend the preferred combination of rotor and speed
Temperature Monitoring	Optional - Feature available
Measurement Accuracy	±1% F.S
Repeatability	± 0.5% F.S
Output	RS 232C Interface
Power Supply	AC 220V / 50Hz
Dimension	300 × 300 × 450 mm
Weight	9 kgs

STANDARD ACCESSORIES:

- 4 spindles
- Spindle Guard Leg
- Power Cord
- Stand Set
- Instruction Manual

Digital Rotational Viscometer

SALIENT FEATURES:

• Auto Range function

• More number of speed options

• Direct Viscosity reading and temperature display

• Large bright back-light LCD Display

• Viscosity value is accurate to 0.1 mpa.s

• With automatic scanning function, the instrument can
   automatically recommend a suitable combination
   of rotor and speed

• Can automatically display the range of viscosity that
   can be measured by the selected combination

SPECIFICATIONS:

Model	GV-100	GV-200
Make	Galaxy	Galaxy
Measuring Range mpa.s	20~20,00,000 mpa.s	20~60,00,000 mpa.s
Measurement Resolution	0.1 mpa.s (Full scale)	0.1 mpa.s (Full scale)
Speed	0.3, to 100 RPM	0.1 to 200 RPM
No of Speed	18 speed settings	58 speed settings
No of Standard Spindle	4	
Display	LCD	
Auto Scan Function	Can automatically scan and recommend the preferred combination of rotor and speed	
Temperature Monitoring	Optional - Feature available	
Measurement Accuracy	±1% F.S	
Repeatability	± 0.5% F.S	
Output	RS 232C Interface	
Power Supply	AC 220V / 50Hz	
Dimension	300 × 300 × 450 mm	
Weight	9 kgs	

STANDARD
ACCESSORIES:

• 4 spindles

• Spindle Guard Leg

• Power Cord

• Stand Set

• Instruction Manual

Digital Rotational Viscometer

MODEL: GVT-60

Touchscreen

SALIENT FEATURES:

• Auto Range function

• 8 Speed selection

• Direct Viscosity reading and temperature display

• Large bright back-light LCD Display

• Viscosity value is accurate to 2 decimals = 0.01 mpa.s

• With automatic scanning function, the instrument can automatically recommend a suitable combination of rotor and speed

• Can automatically display the range of viscosity that can be measured by the selected combination

• Displays shear stress & shear rate

SPECIFICATIONS:

Model	GVT-60
Make	Galaxy
Measuring Range mpa.s	20~2,000,000 mpa.s
Measurement Resolution	0.01 mpa.s (Full scale)
Speed	0.3, 0.6, 1.5, 3, 6, 12 ,30 60 RPM
No of Speed	8 speed settings
No of Standard Spindle	4
Display	Touchscreen
Auto Scan Function	Can automatically scan and recommend the preferred combination of rotor and speed
Temperature Monitoring	Optional - Feature available
Measurement Accuracy	±1% F.S
Repeatability	± 0.5% F.S
Output	RS 232C Interface
Power Supply	AC 220V / 50Hz
Dimension	300 × 300 × 450 mm
Weight	9 kgs

STANDARD ACCESSORIES:

• 4 spindles

• Spindle Guard Leg

• Power Cord

• Stand Set

• Instruction Manual

Low Viscosity Adapater

for Viscometers

MODEL: LVA-30

SALIENT FEATURES:

• Ideal for low viscosity materials

• 20 to 30 mL sample is needed for test

• Spindle No. included with adapter

• Especially made for materials less than
  20 mpa.s viscosity

• Viscosity Measurement Range:
  1 to 2000 mpa.s

STANDARD ACCESSORIES:

• Joint Road	• Hook Rod
• Frame	• Spindle No. 0
• Pipe	

Circulating Jacketed Container

for Viscometers

MODEL: CJC-200

• Useful for maintaining samples at a constant
  temperature

• Connect this to a circulating water/oil bath
  and maintain your sample at constant temperature

• Manufactured from heat resistant borosilicate glass

• Flat surface and free of bubbles

Temperature Sensor for Viscometers

TMP-2
compatible for GV-60

TMP-3
compatible for GV-100 & GV-200

Visible Spectrophotometer

MODEL: V-721

SALIENT FEATURES:

- Extremely easy to set up & simple to use
- Monochromator with a holographic flashing grating
- High wavelength precision, good monochromatic and low stray light
- Direct read out of Absorption(ABS), Transmittance(%T), Concentration(C) & concentration setting function

SPECIFICATIONS:

Model	V-721
Make	Galaxy
Optical System	CT Single Beam, Grating 1200 lines/mm
Wavelength Range	320~1020 nm
Spectral Bandwidth	2 nm
Wavelength Interval	1 nm
Wavelength Accuracy	± 2 nm
Wavelength Repeatability	1 nm
Photometric Accuracy	±1%T
Photometric Repeatability	0.5%T
Photometric Range	0 -1.999A, 0-199.9%T
Stray Light	≤0.3%T@340nm
Stability	±0.004A/h @500nm
Display & Photometric Mode	4 Digit LCD & Mode: T, A, C
Detector	Silicon Photodiode
Light Source	Tungsten Lamp
Power Supply	AC 220V / 50Hz
Dimensions & Weight	450 × 520 × 320 mm & 10 kgs

STANDARD ACCESSORIES:

- Glass Cell 10mm
- Power Cord
- Instruction Manual

Galaxy'

UV Vis Spectrophotometer

MODEL: UV-100

SALIENT FEATURES:

- Extremely easy to set up & simple to use
- Monochromator with a holographic flashing grating
- High wavelength precision, good monochromatic and low stray light
- Direct read out of Absorption(ABS), Transmittance(%T), Concentration(C) & concentration setting function

SPECIFICATIONS:

Model	UV-100
Make	Galaxy
Optical System	CT Single Beam, Grating 1200 lines/mm
Wavelength Range	195~1020 nm
Spectral Bandwidth	5 nm
Wavelength Interval	1 nm
Wavelength Accuracy	± 2 nm
Wavelength Repeatability	1 nm
Photometric Accuracy	±0.5%T
Photometric Repeatability	0.2%T
Photometric Range	0-200%T
Stray Light	≤0.3%T@340nm
Stability	±0.002A/h @500nm
Display & Photometric Mode	4 Digit LCD & Mode: T, A, C
Detector	Silicon Photodiode
Light Source	Deuterium & Tungsten Lamp
Power Supply	AC 220V / 50Hz
Dimensions & Weight	450 × 520 × 320 mm & 12 kgs

STANDARD ACCESSORIES:

- Glass Cell 10mm
- Quartz Cell 10mm
- Power Cord
- Instruction Manual

UV/VIS Spectrophotometer

Single Beam

MODEL: UV -300

SALIENT FEATURES:

• Imported Lamps: Uses highest quality of imported Deuterium lamp, Tungsten lamp & sensors.

• Low Stray Light: UV-300 is made of high quality components and has perfect design which ensures low stray light.

• Stability & Durability: UV-300 uses die-cast aluminium base which ensures instrument's stability & durability.

• Multiple Results: UV-300 Can display wavelength, absorption & transmittance. It has a memory of 200 results & 100 standard curves.

• Standard Curve: UV-300 Can set up various standard curves according to customer's solution and find the concentration of unknown solutions.

• Auto Setting: User can set wavelength automatically through arrow keys.

• Data Output: UV-300 is equipped with USB port to connect to computer software.

• Wide functionality: Software enables Photometric analysis, Quantitative analysis, Spectral scanning, Kinetics, DNA/protein analysis, Multi-wavelength test, etc. The software is optional.

Fig.: Key Panel

Galaxy'

Model	UV-300
Make	Galaxy
Bandwidth	2 nm
Cell Holder	10mm manual 4-cell holder
Optical System	Single Beam (1200 lines/mm Grating)
Wavelength Range	190 ~ 1100 nm
Wavelength Accuracy	± 0.3 nm
Wavelength Repeatability	± 0.1 nm
Wavelength Setting	Auto.
Photometric Range	-0.3 ~ 3A, 0~200%T, 0~9999C
Photometric Accuracy	± 0.05%T
Photometric Repeatability	± 0.2%T
Stray Light	± 0.05%T
Stability	±0.002A/h @ 500nm
Baseline Flatness	± 0.002A
Measurement Mode	T, A, C, E
Display	128 * 64 LCD
Detector	Imported Silicone Photodiode
Light Source	Imported D2 & Tungsten Halogen Lamp
Output	USB Port & Parallel Port
Power Supply	AC 220V / 50Hz
Dimensions	700 x 580 x 340mm & 20kg

(vertical labels: WAVELENGTH, PHOTOMETRIC*)*

Fig.: Multi-line LCD Display

STANDARD ACCESSORIES:

- Software
- 10mm Glass Cuvette
- 10mm Quartz Cuvette
- Instruction Manual
- Power Cord

Double Beam UV/VIS Spectrophotometer

SALIENT FEATURES:

• With spectral scanning function
• Can measure upto 6 wavelengths at a single time
• Large touchscreen for ease
• Parallel port & USB port
• Imported lamps & sensor results in perfect measurements

This instrument is widely used in petroleum, chemical, pharmaceutical, sugar, refining, research and food industries. This spectrophotometer also has wide scope of use in related colleges, universities & scientific research institutions for meaning the photometric value of samples.

FUNCTIONS:

• Two detectors are used to measure sample and reference respectively and simultaneously
• Improved Circuit: Improved design prevents circuit fluctuations and stray light to ensure stability of the instrument.
• Sturdy Design: It uses a rigid base to ensure stability & reliability
• Large Touchsreen Display: It sports a large touchscreen display to show results and curves directly on the screen
• Multi functions in the software enables the user to toggle between variety of functions such as wavelength scanning, standard curve, kinetics, multi wavelength scanning, DNA/protein test
• Data can be saved in csv file. Data can be exported through a USB drive & bluetooth.
• Has a function for filtering & smoothing the peaks of measurement.

Galaxy'

Model	UV-1900	UV-1900S
Make	Galaxy	Galaxy
Bandwidth	2 nm	0.5, 1.0, 2.0, 4.0 nm
Cell Holder	Sample & reference cuvette holder (both 10mm)	
Optical System	Double Beam (1200 lines/mm Grating)	
Wavelength Range	190 ~ 1100 nm	
Wavelength Accuracy	± 0.3 nm	
Wavelength Repeatability	± 0.2 nm	
Scanning Speed	High, Medium, Low (Max. 3000 nm/min)	
Photometric Range	-4 ~ 4A, 0~999.9%T, 0~9999C, 1~9999F	
Photometric Accuracy (T)	± 0.3%T	
Photometric Repeatability	0.2%T	
Stability	± 0.001 A/h (700 nm, preheating for 1 hr)	
Photometric Accuracy(A)	≤±0.002A(0~0.5A), ≤±0.004A(0.5~1A), ≤±0.006A(>2.0)	
Baseline Flatness & noise	± 0.001A/h	
Stray Light	<0.05%T @ 220nm, 360nm	
Data Output	USB	
Printer Port	Parallel Port	
Display	Touchscreen	
Lamps	D2 & Tungsten Halogen Lamp	
Detector	Silicone Photodiode	
Power Supply	AC 220V / 50Hz	
Dimensions & Weight	650 x 450 x 220mm & 25kg	
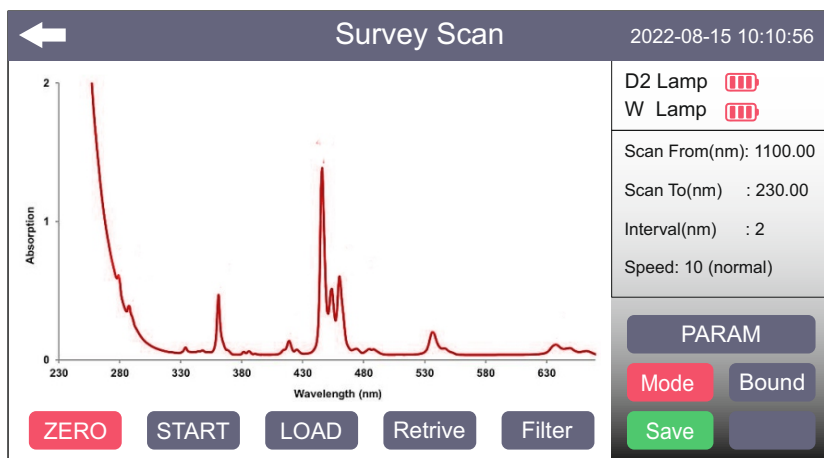
WAVELENGHT — *PHOTOMETRIC*

STANDARD ACCESSORIES:

- Software
- 10mm Glass Cuvette
- 10mm Quartz Cuvette
- Instruction Manual
- Power Cord

Vortex Mixer

MODEL: VM-28

MODEL: MINI-27

SPECIFICATIONS:

Model	VM-28	MINI-27
Make	Galaxy	Galaxy
Speed Range	0-2800rpm	0-3000rpm
Shaking movement	Orbital	Orbital
Orbital diameter	4 mm	4 mm
Motor Power	58W	12W
Run type	Continuos / Touch / Speed	Continuos / Touch / Speed
Ambient Temp. Range	5°C to 40°C	5°C to 40°C
Display	None	None
Power	60W	60W
Power Supply	AC 220V / 50Hz	AC 220V / 50Hz
Dimension LxWxH (mm)	240 x 190 x 240 mm	110 x 90 x 80 mm
Weight	2.8kg	0.5kg

STANDARD ACCESSORIES:

- Standard Head, Flat Rubber Head, Foam Head
- Power Adapter
- Instruction Manual

- Standard Fixed Head
- Power Adapter
- Instruction Manual

Galaxy'

Smart Vortex Mixer

With timer & speed display

MODEL: VM-4200

SALIENT FEATURES:

- Suitable for 0.2ml to 50ml micro tubes. Also suitable for containers less than 108mm diameter.
- Continuos & touch operation
- Brush-less DC motor for maintenance free long life
- Built in counter balance for steady & safe operation
- 1 to 999 mins time setting
- Programable Pulse mode

SPECIFICATIONS:

Model	VM-4200
Make	Galaxy
Rotating Speed	300 to 4200 RPM
Shaking Movement	Orbital
Orbital Diameter	4 mm
Motor Power	20 W
Run Type	Continuos / Touch / Speed
Time	1 to 999 minutes & continuos
Increment/Decrement	10 RPM
Pulse Mode	Adjustable
Max. Load Capacity	500 g
Display	Speed & Time
Ambient Temp. Range	5 to 40°C
Ambient Humidity	80%
Voltage	24v 1.5amp, AC 220V / 50 Hz
Dimensions & Weight	150 × 130 × 115 mm & 2.5 kg

STANDARD ACCESSORIES:

- Main Machine
- Simple test tube head
- Instruction Manual

Mini Centrifuge
With & without timer

SALIENT FEATURES:

• 8000 RPM model with timer

• 4000 RPM model without timer

• 2 adapters included to use PCR & MCT tubes

• Automatic motor shut down on opening the cover

• Compact design

SPECIFICATIONS:

Model	MCX-4	MCX-8
Make	Galaxy	Galaxy
Speed Range	4000 rpm	8000 rpm
Speed Type	Fixed	Fixed
Timer	No	9999 mins
Motor Power	Brushless Motor	Brushless Motor
Noise	51-53 dBA	51-53 dBA
Adapter	Includes 2 rotors	Includes 2 rotors
Display	None	Timer
Tubes which can be used	0.2, 0.5, 1.5, 2.0 mL MCT & 0.2ml PCR tubes	0.2, 0.5, 1.5, 2.0 mL MCT & 0.2ml PCR tubes
Power Supply	AC 220V / 50Hz	AC 220V / 50Hz
Dimension & Weight	160 x190 x130 mm & 1.8kg	160 x190 x130 mm & 1.8kg

STANDARD ACCESSORIES:

• MCT Adapter for 0.2, 0.5, 1.5, 2.0 ml

• PCR Adapter for 0.2ml

• Power Adapter

• Instruction Manual

Smart Mini Centrifuge

MODEL: MCX-6V

With timer & variable speed display

SALIENT FEATURES:

• Suitable for 2.0ml, 1.5ml, 0.2ml centrifuge tubes & 0.2mlx8 PCR tube strips.

• Compact footprint to save valuable space

• Microprocessor controlled for efficient performance

• Variable timer setting from 1 min to 99 min & infinite mode

• 8 place micro centrifuge rotor

SPECIFICATIONS:

Model	MCX-6V
Make	Galaxy
Speed	1000 to 6000 RPM
Max. Load Capacity	1915 x g (Max RCF)
Speed Accuracy	± 100 RPM
Display	Digital
Motor Power	9W
Time	1 to 99 min & infinite
Rotor Capacity	1. 8 x 1.5/2.0 ml
	2. 10 x 0.2/0.5 ml
	3. 4 place PCR strip
Quick Spin	LID Activated ON/OFF
Voltage	24v 1.5amp, AC 220V / 50 Hz
Dimensions & Weight	150 × 130 × 115 mm & 2.5 kg

STANDARD ACCESSORIES:

• Main Machine

• Rotors

• Instruction Manual

High Speed Micro Centrifue Machine MODEL: MCX-15

SALIENT FEATURES:

• Dedicated 3D digital wheels to adjust speed and time

• Programmable operation can store up to 10 programs

• Motor-driven lid locking system for high safety and reliability

• Heavy base eliminates vibration and movement when running

• Powerful centrifugal force of 15100 x g and Max. speed of 15000rpm

• High speed accuracy of ±20rpm

• Large LED display for easy reading

• Fast acceleration and braking system

• Comes with Aluminum rotor with rotor capacity: 1.5/2.0/0.2/0.5mL x 12

SPECIFICATIONS:

Model	MCX-15
Make	Galaxy
Speed Range	500~15000 RPM
Speed Increament	100 RPM
Max. RCF	15100, increment: 100
Speed Accuracy	±20
Rotor Capacity	0.2ml/0.5ml/1.5ml/ 2ml×12
Timer	Timer: 30s~99 min
Motor	Brushless DC Motor
Safety Features	Door interlock, Over-speed detection,
Noise	Over-temperature detection, Automatic internal diagnosis
Acceleration/Brake Time	Acceleration: 30s, Braking:10s
Power Supply	AC 220V / 50Hz
Dimension & Weight	256 x 225 x 155 mm & 6 kg

Digital Vernier Caliper

SALIENT FEATURES:

• Large display

• Made of REAL hardened stainless steel of grade 4CR13

• High quality of workmanship ensures perfect jaws and groves

• Packed in sturdy storage box

SPECIFICATIONS:

Model	DVC-R-150	DVC-R-200	DVC-R-300
Make	Galaxy	Galaxy	Galaxy
Range	150 mm / 6"	200 mm / 8"	300 mm / 12"
Resolution	0.01 mm	0.01 mm	0.01 mm
Units	mm, inch	mm, inch	mm, inch
Battery	1 x LR 44	1 x LR 44	1 x LR 44
Material	Real hardened Stainless Steel 4CR13		
Weight	0.35 kg	0.4 kg	0.7 kg

Digital Micrometer

SPECIFICATIONS:

Model	DM-025
Make	Galaxy
Range	25 mm / 1"
Resolution	0.001 mm
Units	mm, inch
Battery	1 x CR2032
Material	ABS Body, Carbide Tip
Weight	0.36 kg

SALIENT FEATURES:

• Large display & 3 buttons

• Carbide tip for long life

• High quality of workmanship ensures perfect reading

• Packed in sturdy storage box

Digital Coating Thickness Tester

MODEL: CTG-800

DFT Meter

SALIENT FEATURES:

- Large display & built-in Black Light for easy reading
- V-Groove for easy reading
- Single & Continuous reading mode
- Auto power-off in 5 minutes with no-operation
- Automatic Fe/Nf recognition
- Anti-skid rubber grip

The thickness gauge is used to measure the thickness of coating on metal, e.g. paint/enamel/chrome on steel, paint and anodizing coating on aluminum/copper.

SPECIFICATIONS:

Model	CTG-800
Make	Galaxy
Measuring Range	0~1300μm / 0~51.2mil
Resolution	0.1μm / 0.01mil
Accuracy	±(2.5%+1μm)
Which base can be tested ?	Ferrous & Non-ferrous base
Units	μm, mil
Minimum measuring area	Ø 6 mm
Minimum curvature radius	Convex: 1.5 mm
	Concave: 25mm
Min. thickness of substrate	Ferrous: 0.5mm, Non-Ferrous: 0.3mm
Calibration	Zero/50/100/250/500/1000 μm
Testing Principle	F: Magnetic Induction, NF: Eddy Current
Power Source	4 x AAA battery
Dimensions & Weight	155 x 62 x 35 mm & 125 g

STANDARD ACCESSORIES:

- Calibration Films
- Ferrous Substrate
- Non-F Substrate
- Instruction Manual

Digital Metal Hardness Tester

MODEL: MHT-180

also known as Leeb Hardness Meter

SALIENT FEATURES:

• Large display & built-in Black Light for easy reading

• Large capacity memory could save 100 groups info

• Connect with computer using RS 232 interface

• Auto power-off in 5 minutes with no-operation

• 7 different measurement units

• Wide measurement range

This machine is used to measure the hardness of any metal. It is mainly used for testing sufficiently large work pieces (typically >1kg).

It works on the principle of measurement of the coefficient of restitution. It is nondestructive testing.

SPECIFICATIONS:

Model	MHT-180
Make	Galaxy
Measuring Range	170-960 HLD, 17-68.5 HRC,
	19-651 HB, 80-976 HV,
	30-100 HS, 59-85 HRA, 13-100 HRB
Resolution	HL、HB、HRB、HRC、HRA、HV、HS
Accuracy	±6HLD
Repeatability	6 HLD
Power Source	2 x AA battery
Dimensions & Weight	212 x 80 x 32 mm & 180 g

STANDARD ACCESSORIES:

• Calibration Block

• Type D probe

• Storage Box

• Instruction Manual

Surface Roughenss Tester

MODEL: SRT-8010

SPECIFICATIONS:

Model	SRT-8010
Make	Galaxy
Measuring Range	Ra (0.005µm ~16µm)
	Rz (0.02µm~160µm)
Max. Driving Tip	17.5mm/0.7inch
Sampling Length	0.25mm,0.8mm,2.5mm,8mm
Evaluating Rounds	1~5L
Filter	RC,PCRC,Gauss,ISO13565
Accuracy & Repeatability	A:< ± 10% & R:± 6%
Tip Radius	5 µm
Power Source	Rechargeable Battery
Dimensions & Weight	140 x 52 x 48 mm & 500 g

Testing parameters include:

Rq, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk,

Rku, Rsm, Rmr, Rx

Digital Gloss Meter

SPECIFICATIONS:

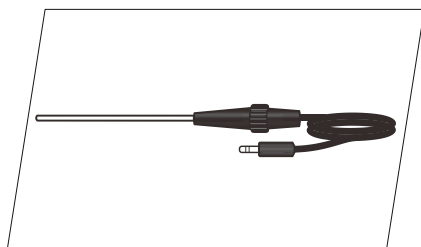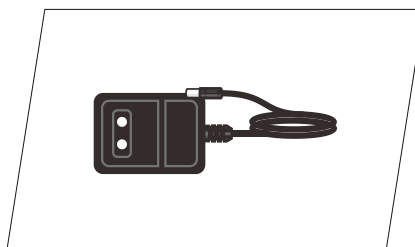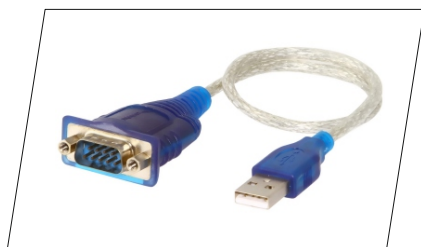| Model	GM-6	GM-268
Make	Galaxy	Galaxy
Measuring Angle	60°	20°/60°/85°
Measuring Range	0.1~200 GU	0.1~200 GU
Gloss Units	GU	GU
Accuracy	±1.5 GU	±1.5 GU
Resolution	0.1 GU	0.1 GU
Repeatability	± 0.5 GU	± 0.5 GU
Measuring Area	7 x 14 mm (Ellipse)	
Data Memory	254 groups	
Power Source	3.7v Rechargeable Ion Battery	
Dimensions	140 x 45 x 75 mm	
Weight	305 g	

It measures specular reflection gloss of a surface. Gloss is determined by projecting a beam of light at a fixed intensity and angle onto a surface and measuring the amount of reflected light at an equal but opposite angle.

Galaxy'

LABORATORY & INDUSTRIAL
SOLUTIONS

Spares & Accessories
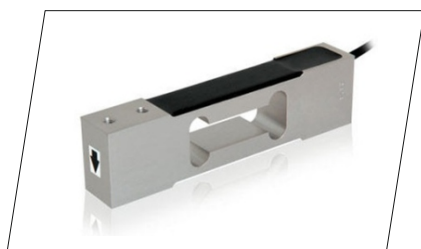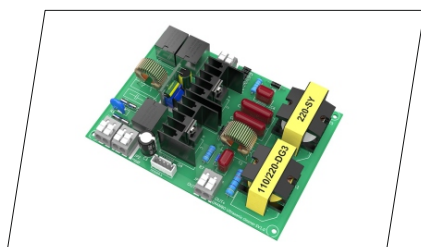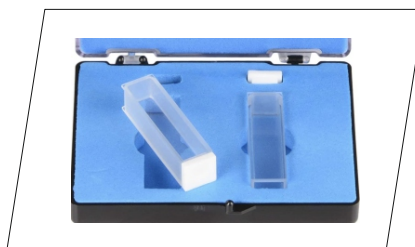
We keep inventories of most commonly required spares to service the instruments. Therefore you can be sure of backup for any repairs.

Galaxy

Discover Perfection
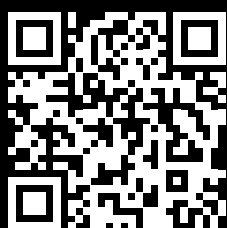
RAVI SCIENTIFIC INDUSTRIES
14-UA Jawahar Nagar
Delhi-110007, India
admin@galaxylab.in
galaxylab.in
+91 9910667175