

Water Quality Multi-parameter Tester

MODEL: GMP-40

Microprocessor based



8 in 1 Unique Machine:

- pH
- ORP (mV)
- Conductivity
- TDS
- Salinity
- Resistivity
- Temperature(°C)
- Dissolved Oxygen

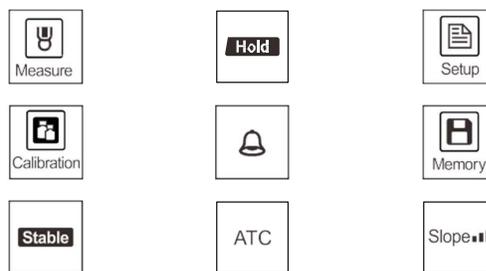
SALIENT FEATURES:

- 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)

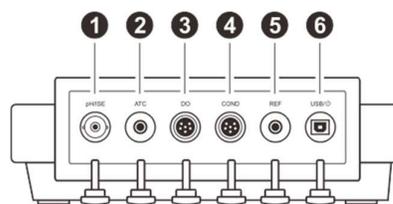
- Selectable either temperature units between degree Celsius (°C) and degree Fahrenheit (°F).
- Automatic temperature Compensation (ATS) ensure high accuracy of measurements..
- Automatic endpoint function freezes the stable measured value for easy reading and recording data.
- Help message as a operational 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.



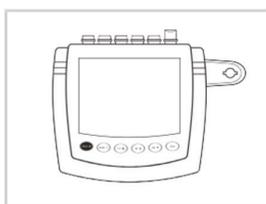
Smart Large Display



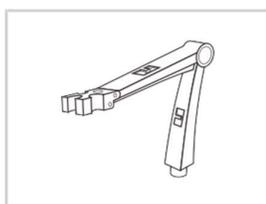
Smart Icons



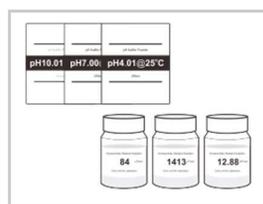
Connectors



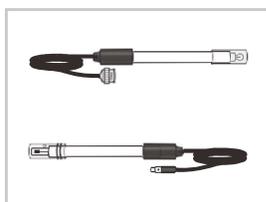
Main Instrument



Electrode Holder Stand



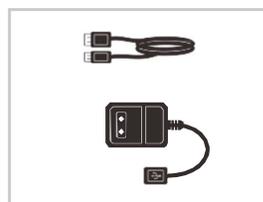
Standard Buffers



pH Electrode & Conductivity Electrode



Temperature Probe



Power Adapter & USB Cable

STANDARD ACCESSORIES:

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

Model	GMP-40
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)
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 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 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 Range	0~80ppt
Resolution & Accuracy	0.01/0.1/1 & ± 1% Full Scale
Measurement Mode	Practical Salinity (PSU) or Seawater Measurement Standard (ppt)
Resistivity Range	0~100MΩ
Resolution & Accuracy	1/0.1/0.01 & ± 1% Full size
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%
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
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
- Conductivity Cell (1.0)
- Electrode Stand & Adapter
- Temp. Probe
- pH Buffer (4.01, 7.00, 10.01)
- Instruction Manual
- DO Probe