

MG70 pH/Ion Meter



pH

- 1-5 points calibration with Standard Recognition.
- Selectable pH buffer groups, including NIST, DIN, GB, USA, and MERK.
- Automatic electrode diagnosis with pH slope and offset display.

GENERAL FEATURES

- High resolution LCD display, 5.7 inches.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Data Storage 500 sets (GLP-compliant).
- Support for USB or RS-232 communication.
- Reset feature automatically resumes all settings back to factory default options.
- IP54 waterproof.

Ion

- 1-5 points calibration.
- Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , ppm , ppb , etc.
- Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including F^- , Cl^- , Br^- , I^- , NO_3^- , BF_4^- , NH_4^+ , K^+ , Na^+ , Ca^{2+} , Cu^{2+} , Pb^{2+} , Ag^+ and etc., user-defined method is supported.

Model	MG70	
Parameters	pH/ISE/Temp.(mV/pX)	
pH	Range	-2.000 to 20.000 pH
	Resolution	0.1, 0.01, 0.001pH
	Accuracy	± 0.002 pH
	Calibration Points	Up to 5
	Standard Customization	Yes
	Standard Recognition	NIST, GB, DIN, USA and MERK buffers
mV	Slope Limit	Yes
	Range	-2000.00 to 2000.00 mV
	Resolution	0.1, 0.01 mV
pX	Accuracy	reading whichever is greater
	Range	-2.000 to 20.000 pX
	Resolution	0.1, 0.01, 0.001 pX
	Accuracy	± 0.002 pX
ISE	Calibration Points	Up to 5
	Range	1.000e-9 to 9.999e+9
	Unit	mol/L, mmol/L, g/L, mg/L, $\mu\text{g/L}$, ppm, ppb
	Resolution	Up to 4 significant digits
Temperature	Accuracy	$\pm 0.3\%$
	Calibration Points	Up to 5
	Range	-10 to 135 °C, 14 to 275 °F
	Unit	°C, °F
Measurement	Resolution	0.1
	Accuracy	± 0.1
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
Data management	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
	Data Storage	500 results each
Inputs	GLP Features	Yes
	pH Electrode	BNC(Q9)
Outputs	Temp. Probe	4-pin aviation connector
	USB	PC
Display options	RS 232	printer
	Backlight	Yes
	Auto Shutdown	1~60 min, off
	IP Rating	IP54
General	Date and Time	Yes
	Power	AC Adapter, 100-240V AC input, DC9V output
	Dimensions	242 × 195 × 68 mm
	Weight	900g (1.98 lb)