MG91-Pro Multi-parameter Analyzer





Automatic identification standard solutionFast calibration and more accurate measurement



Multiple external devices available PC, printer

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.

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- 1-5 points calibration.
- Selectable measurement unit, including μg/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⁻, NO₃⁻, BF₄⁻, NH₄⁺, K⁺, Na⁺, Ca²⁺, Cu²⁺, Pb²⁺, Ag⁺ and etc., user-defined method is supported.

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

Conductivity

- 1-3 points calibration with Standard Recognition.
- Settable parameters, including cell constant, temperature compensation coefficient and TDS factor.
- Temperature compensation type (none, linear, pure water).

DO

- Support for air-saturated water or zero oxygen calibration.
- Auto barometric pressure compensation
- Manual Salinity Factor Correction
- Selectable pressure unit, including kPa, mbar, Torr, Atm.

Polarographic Barometric Compensation Yes	Model		MG91-Pro
Personation	Parameters		pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal./DO Saturation)
Accuracy	рН	Range	-2.00 to 20.00pH
PH Calibration Points Up to 5		Resolution	0.1, 0.01 pH
Standard Customization Yes		Accuracy	±0.01 pH
Standard Recognition NIST, GB, USA and DIN buffers		Calibration Points	Up to 5
Slope Limit Yes Range -2000 1 to 2000 of tw		Standard Customization	Yes
Slope Lmit		Standard Recognition	NIST, GB, USA and DIN buffers
Resolution			Yes
March Resolution		·	-2000.0 to 2000.0 mV
PX Resolution	mV/ORP		0.1 mV
Range 2.00 to 2.00 pX		Accuracy	±0.3 mV or ±0.1%
PX		· · · · · · · · · · · · · · · · · · ·	-2.00 to 20.00 pX
PX			·
Calibration Points	pX	Accuracy	·
ISE		•	·
Unit	Conductivity		·
Resolution Up to 4 significant digits			
Accuracy			
Calibration Points			
Range			
Resolution			1
Conductivity		-	· ·
Reference Temperature			
Calibration Points Standard Recognition 84µS/cm, 1413µS/cm, 12.88mS/cm			
Standard Recognition			
Resistivity			'
Resistivity Resolution			
Accuracy		-	
Range			
TDS		·	
Accuracy	TDO	· · · · · · · · · · · · · · · · · · ·	
Range	ווס		
Salinity Resolution 0.1ppt Accuracy ±2ppt Ange 0.00 to 20.00 ppm Possolved Oxygen Concentration Polarographic Resolution 0.01 ppm Accuracy ±0.10 ppm Accuracy ±0.10 ppm Manual Salinity Factor Correction Yes Range (0.0 to 200.0)% Resolution 0.1% Accuracy ±2.0% Resolution 0.1% Accuracy ±2.0% Resolution 0.1 Accuracy ±0.2 Resolution 0.1 Accuracy ±0.2 Reading Mode Auto Read (Fast, Medium, Slow), Timed, Continuous Reading Prompts Reading, Stable, Locked Reading Prompts Reading, Stable, Locked Temp. Compensation ATC, MTC Data management GLP Features Yes Inputs Data Storage 500 results each GLP Features Yes pH Electrode BNC(Q9) Dowith Temp. Probe 4-pin aviation conne		•	
Dissolved Range 0.00 to 20.00 pm	Salinity	<u> </u>	
Range			1.
Resolution	Dissolved Oxygen Concentration -		
Dissolved Oxygen Concentration Polarographic Accuracy ±0.10 ppm Oxygen Concentration Polarographic Calibration Points Air-saturated water or zero point Manual Salinity Factor Correction Yes Manual Salinity Factor Correction Yes Range (0.0 to 200.0)% Resolution 0.1% Accuracy ±2.0% Range -5 to 110 °C, 23 to 230 °F Unit °C, °F Resolution 0.1 Accuracy ±0.2 Reading Mode Auto Read (Fast, Medium, Slow), Timed, Continuous Reading Prompts Reading, Stable, Locked Temp. Compensation ATC, MTC Data storage 500 results each GLP Features Yes pH Electrode BNC(Q9) DO with Temp. Probe 4-pin aviation connector Conductivity with Temp. Probe 5-pin aviation connector Conductivity with Temp. Probe 5-pin aviation connector Backlight Yes Backlight Yes Auto Shutdown 1~60 min, off IP Ra			
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Manual Salinity Factor Correction Yes % Saturation -Polarographic Range (0.0 to 200.0)% Resolution 0.1% 2.0% Accuracy ±2.0% ±2.0% Range -5 to 110 °C, 23 to 230 °F Unit °C, °F expression Resolution 0.1 4.0.2 Accuracy ±0.2 4.0.2 Reading Mode Auto Read (Fast, Medium, Slow), Timed, Continuous Reading Prompts Reading, Stable, Locked Temp. Compensation ATC, MTC Data Storage 500 results each GLP Features Yes pH Electrode BNC(Q9) Do with Temp. Probe 4-pin aviation connector Conductivity with Temp. Probe 5-pin aviation connector USB PC Outputs RS 232 printer Backlight Yes Auto Shutdown 1-60 min, off IP Rating IP54 Date and Time Yes Power AC Adapter, 100-240V AC input, DC9V output Gener	Polarographic		
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Resolution			
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Temp. Compensation	Measurement	<u> </u>	
Data Storage 500 results each GLP Features Yes pH Electrode BNC(Q9) DO with Temp. Probe 4-pin aviation connector Conductivity with Temp. Probe 5-pin aviation connector Outputs USB PC RS 232 printer Backlight Yes Auto Shutdown 1~60 min, off IP Rating IP54 Date and Time Yes Power AC Adapter, 100-240V AC input, DC9V output General Dimensions 242×195×68 mm		-	
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Conductivity with Temp. Probe 5-pin aviation connector Outputs USB PC RS 232 printer Backlight Yes Auto Shutdown 1~60 min, off IP Rating IP54 Date and Time Yes Power AC Adapter, 100-240V AC input, DC9V output General Dimensions 242×195×68 mm	Inputs		
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RS 232 printer	Outputs		
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P Rating	Display options	Backlight	
Date and Time Yes			1~60 min, off
Power AC Adapter, 100-240V AC input, DC9V output General Dimensions 242×195×68 mm		IP Rating	IP54
General Dimensions 242×195×68 mm		Date and Time	Yes
	General	Power	AC Adapter, 100-240V AC input, DC9V output
Weight 900g (1.98 lb)		Dimensions	242×195×68 mm
110.5		Weight	900g (1.98 lb)