

MULTIWZ Laboratory pH/EC Multiparameter Analyzer



Download
Catalogue



High resolution LCD display, 5.7 inches



Data Storage 500 sets (GLP-compliant).



Support for USB or RS-232 communication



IP54 waterproof



Multi-reading feature allows auto-read, timed-read and continuous-read.

COLO MULTIWZ Benchtop Multi Parameter pH/EC for measurement in ultra-pure water

- 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.

pH

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

Ion

- 1-5 points calibration.
- Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , PX, 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.

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

Type		MULTIWZ100	MULTIWZ200
Parameters		pH/EC/ISE/Temp. (mV/pX/Resistivity/TDS/Sal.)	pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal./DO Saturation)
pH	Range	2.0 ... 20.0 ±0.1 pH -2.00 ... 20.00 ±0.01 pH -2.000 ... 19.999 ±0.005 pH	2.0 ... 20.0 ±0.1 pH -2.00 ... 20.00 ±0.01 pH -2.000 ... 19.999 ±0.005 pH
	Resolution	0.1, 0.01 pH	0.1, 0.01 pH
	Accuracy	±0.01 pH	±0.01 pH
	Calibration Points	Up to 5	Up to 5
	Standard Customization	Yes	Yes
	Standard Recognition	NIST, GB, USA and DIN buffers	NIST, GB, USA and DIN buffers
	Slope Limit	Yes	Yes
mV	Range	-2000.0 to 2000.0 mV	-2000.0 to 2000.0 mV
	Resolution	0.1 mV	0.1 mV
	Accuracy	±0.3 mV or ±0.1%	±0.3 mV or ±0.1%
pX	Range	-2.00 to 20.00 pX	-2.00 to 20.00 pX
	Resolution	0.1, 0.01 pX	0.1, 0.01 pX
	Accuracy	±0.01 pX	±0.01 pX
	Calibration Points	Up to 5	Up to 5
ISE	Range	1.000e-9 to 9.999e+9	1.000e-9 to 9.999e+9
	Unit	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb
	Resolution	Up to 4 significant digits	Up to 4 significant digits
	Accuracy	±0.5%	±0.5%
	Calibration Points	Up to 5	Up to 5
EC	Range	0.00 ... 1000 mS/cm ±0.5 % 0.000 ... 1.999 µS/cm, K= 0.01 cm-1 0.00 ... 19.99 µS/cm, K= 0.1 cm-1	0.00 ... 1000 mS/cm ±0.5 % 0.000 ... 1.999 µS/cm, K= 0.01 cm-1 0.00 ... 19.99 µS/cm, K= 0.1 cm-1
	Resolution	0.001 µS/cm minimum, various with range selection	0.001 µS/cm minimum, various with range selection
	Accuracy	±1.0% FS	±1.0% FS
	Reference Temperature	20, 25 °C	20, 25 °C
	Calibration Points	Up to 3km km	Up to 3
	Standard Recognition	84µS/cm, 1413µS/cm, 12.88mS/cm	84µS/cm, 1413µS/cm, 12.88mS/cm
Resistivity	Range	5.00 Ω·cm~20.00 MΩ·cm	5.00 Ω·cm~20.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum	0.01 Ω·cm minimum
	Accuracy	±1.0% FS	±1.0% FS
TDS	Range	0.00 ppm~300 ppt	0.00 ppm~300 ppt
	Resolution	0.01mg/L minimum, various with range selection	0.01mg/L minimum, various with range selection
	Accuracy	±1.0% FS	±1.0% FS
Salinity	Range	0.0~80.0 ppt	0.0~80.0 ppt
	Resolution	0.1ppt	0.1ppt
	Accuracy	±2ppt	±2ppt
Temp.	Range	-5.0 ... 105.0 °C ±0.1 °C	-5.0 ... 105.0 °C ±0.1 °C
	Unit	°C, °F	°C, °F
	Resolution	0.1	0.1
	Accuracy	±0.2°C	±0.2°C

Type		MULTIWZ100	MULTIWZ200
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous	
	Reading Prompts	Reading, Stable, Locked	
	Temp. Compensation	ATC, MTC	
Data management	Data Storage	500 results each	
	GLP Features	Yes	
Inputs	pH Electrode	BNC(Q9)	
	DO with Temp. Probe	4-pin aviation connector	
	Conductivity with Temp. Probe	5-pin aviation connector	
Outputs	USB	PC	
	RS232	Printer	
Display options	Backlight	Yes	
	Auto shutdown	1~60 min, off	
	IP rating	IP54	
	Date and time	Yes	
Standard accessories		Electrode holder, AC adapter, Calibration buffer 4,7 i 10, i 3M KCL, dust cover	
Optional accessories		Printer, pH Electrode Sentix 41, Tetracon 325, LR 325/01, calibration standard 5 5 μ S/cm i 100 μ S/cm	
General	Power	AC Adapter, 100-240V AC input, DC9V output	
	Dimension	242×195×68 mm	
	Weight	900g	

Please note

If this Instrument does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

COLO LabExperts



Laboratory Equipment production and Distribution

www.colo.si

Presernov Trg 9, 8000 Novo Mesto, Slovenia

tel. +386 590 48 880 E-mail: office@colo.si

www.colo.si

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