

Water Quality Meters

WTW ProfiLine 3320 Series Multi-Parameter Handheld Meters

The pH/Cond 3320 with two inputs for pH, mV, ISE and Conductivity measurement is an all-rounder for almost every application in chemical process, Life Science, food and beverages and pharmaceutical industry (measurement of pH and conductivity according pharmacopeia standards).

The Multi 3320 for measurement of pH, ORP, ISE, conductivity and dissolved oxygen (electro-chemical) is a perfect meter for environmental applications in ground and surface water, aqua culture, waste water treatment plants and much more. An integrated ISE routine allows occasional ISE measurements.

PROFILINE 3320 SERIES MODELS

pH/Cond 3320

The pH/Cond 3320 has a robust waterproof housing (IP-67) and is equipped with a large memory and a data logging function with an adjustable interval between 1 s and 60 minutes. All records have a time and date stamp as well as an assignable ID number. The waterproof USB interface makes data transfer fast and easy.

- Two inputs for simultaneous measurement of pH or ISE or ORP and conductivity
- Backlit two channel LCD display
- Suitable for all modern WTW pH, combined ISE electrodes and conductivity cell

Multi 3320

The Multi 3320 has a robust waterproof housing (IP-67) and memory with data logger with adjustable interval between 1 s and 60 minutes. The keypad can also be operated when wearing gloves and is easy to clean under a water jet.

- Two inputs for simultaneous measurements of pH and conductivity or pH and dissolved oxygen
- Backlit two channel display
- For all up-to-date WTW pH electrodes, combined ISEs, conductivity cells and galvanic oxygen sensors
- Enhanced measurement functionality
- pH, ORP, ISE, Conductivity, Dissolved Oxygen



pH/Cond 3320

Multi 3320

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

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INSTRUMENT SPECIFICATIONS

General

Calibration Memory	Up to 10 calibration records
AutoRead	Automatic/Manual
Celsius/Fahrenheit	Yes
Display	LCD graphic display, backlit
Data Memory	Manual 200/5000 automatic
Logger	Manual/Time Controlled
Interface	USB 1.1
Power Supply	4 x 1.5V AA or 4 x 1.2V NiMH Rechargeable
Continuous Operation	Up to 800 h without/100 h with backlit
Protection Class	P-67

pH Measurement

pH	-2.000 – +19,999 pH
mV	-2500 – +2500
ISE	0.000 – 999999

(mg/l, μmol/l, mg/kg, ppm, %)

Conductivity Measurement

Conductivity	0.000 μS/cm – 1000 mS/cm
Salinity	0.0 – 70.0
TDS	0 mg – 199.9 g/l

D.O. Measurement (Optical)

O₂ Concentration	0.00 – 20.00 mg/l 0.0 – 90.0 mg/l*
O₂ Saturation	0.0 – 200.0% 0.0 – 600%*

* Depending on D.O. sensor

SENSOR SPECIFICATIONS

pH	-2.0 – 20.0 ±0.1 pH -2.00 – 20.00 ±0.01 pH -2.000 – 19.999 ±0.005 pH
mV	±1200.0 ±0.3 mV ±(2500 ±1) mV
ISE	0.000 – 9.999 (mg/l, μmol/l, mg/kg, ppm, %) 10.00 – 99.99 10.00 – 99.99 100.0 – 999.9 1000 – 999999
Temperature	-5.0 – 105.0°C ±0.1°C
CMC	Yes
Calibration	1-, 2-, 3-, 4-, 5-point WTW Technical NIST and 20 additional buffer sets ISE: 2-7 point

Dissolved Oxygen Concentration*	0.00 – 20.00 mg/l ±0.5% of value 0 – 90 mg/L ±0.5 % of value
Saturation*	0.0 – 200.0% ±0.5% of value 0 – 600% ±0.5 of value
Partial Pressure*	0 – 200.0 hPa, 0 – 1250 hPa. ±0.5% of value
Temperature	-5.0 – 50.0°C ±0.1°C
Calibration	CellOx®/DurOx® with calibration vessels versus external standard
Built-in Barometric Sensor	Yes

* Depending on D.O. sensor

Conductivity mS/cm	0.0 – 1000 mS/cm ±0.5% of value
Additionally Conductivity μS/cm	0.000 – 1.999 μS/cm K = 0.01 cm ⁻¹ 0.00 – 19.99 μS/cm K = 0.1 cm ⁻¹ 200 – 1999 μS/cm
Specific Resistance	0.00 – 20 MΩ cm
Cell Constants	Fixed: 0.010 cm ⁻¹ Calibratable: 0.450 – 0.500 cm ⁻¹ 0.800 – 0.880 cm ⁻¹ Adjustable: 0.090 – 0.110 cm ⁻¹ 0.250 – 25.000 cm ⁻¹
Salinity	0.0 – 70.0 (acc. IOT)
TDS	0 – 1999 mg/l. 0 bis 199.9 g/l
Temperature	-5.0° – 105.0°C ±0.1°C
T_{ref}	20°C/25°C
Temperature Compensation	None. nIF. 0.000 – 3.000%/K

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ORDERING INFORMATION

Model	Description
pH/Cond 3320	Professional pH/conductivity meter with 2 inputs (DIN, 8 pin socket), backlit graphic display, for mobile application with data logger and USB interface. Meter, insulated carry case, short instruction manual, CD-ROM and batteries, cable.
pH/Cond 3320 Set 2	Professional pH/conductivity meter with 2 inputs (DIN, 8 pin socket), backlit graphic display, for mobile application with data logger and USB interface. Meter in carry case including SenTix® 41, TetraCon® 325, buffer solution STP 4 and STP 7, conductivity standard 0.01 mol/l KCl. Instruction manual, stand, beaker, CD-ROM, driver software for USB, batteries, cable.
Multi 3320	Professional pH/dissolved oxygen/conductivity meter with 2 inputs (DIN, 8 pin socket), backlit graphic display, for mobile application with data logger and USB interface. Meter, insulated carry case, instruction manual, CD-ROM and batteries, cable.
Multi 3320 Set 1	Professional pH/dissolved oxygen/conductivity meter with 2 inputs (DIN, 8 pin socket), backlit graphic display, for mobile application with data logger and USB interface. Meter in field case with SenTix® 41, Cellox® 325, TetraCon® 325, sensor accessories, instruction manual, stand, beaker, CD-ROM, driver software for USB, batteries, cable.
Multi 3320 Set 2	Professional pH/dissolved oxygen/conductivity meter with 2 inputs (DIN, 8 pin socket), backlit graphic display, for mobile application with data logger and USB interface. Meter in field case with SenTix® 41-3, Cellox® 325-3, TetraCon® 325-3, sensor accessories, instruction manual, stand, beaker, CD-ROM, driver software for USB, batteries, cable.



Set in a Large Field Case

Field Sets for Portables

Handhelds are available in convenient carry cases including sensors and accessories for immediate use. Meter sets with three sensors will be delivered in the large field case including accessories.



SenTix® pH Electrodes

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