

# Water Quality Meters

## WTW Multi 3500i Multi-Parameter Water Quality Meter

The new Multi 3500i can measure pH, mV, ISE, oxygen, and conductivity. If desired, pH, oxygen, conductivity, and temperature can be measured simultaneously; in the laboratory using the combined conductivity/oxygen sensor ConOX, in the field with the multi-parameter probe MPP 350.

### FEATURES

- Multi-functional, high degree of accuracy
- Works with all current WTW electrodes
- All parameters simultaneously displayed
- High resolution, high precision, simple, menu driven operation with backlit display
- Datalogger memory for 1,500 data sets
- Works with the MPP 350 (pH, Cond, & O<sub>2</sub>) and ConOX (Cond & O<sub>2</sub>) electrodes for simultaneous measurement of parameters



### PROBE DATA

#### MPP 350

**Range** pH: 4 – 12  
O<sub>2</sub>: 0 – 200%  
Conductivity: 1 µS/cm – 2 S/cm

**Dimensions, Weight**  
Diameter: 41, 5 mm,  
Length Approx.: 290 to 410 mm  
(depends on special accessories),  
Approx. 700 g

**Materials**  
POM, Stainless steel 1.4571  
(additional weight), PVC (Cable)

#### ConOX

**Electrode Material** Graphite  
**Shaft Material** Epoxy/POM  
**Shaft Length** 145 mm  
**Cell Constant** K = 0.475 cm-1  
**Diameter** 15.3 cm  
**Range** 1 µS/cm – 2 S/cm  
**Temperature Range** 32° – 122°F (0° – 50°C)  
**Oxygen Sensor** Galvanic sensor  
Working time: 6 months with 1 electrolyte filling, zero current free

### SPECIFICATIONS

	pH Measurement	Oxygen Measurement	Conductivity Measurement
<b>Range/Resolution</b>	pH: -2 – 20.000 -2 – 20.00 mV: -999.9 – +999.9 -2000 – +2000 Conc: 0.01 – 2000 mg/l Temp: 23° – 221°F (0.0° – 105°C)	O <sub>2</sub> Conc: 0.00 – 20.00 mg/l (19.9 mg/l*) 0.0 – 90.0 mg/l (90 mg/l*) O <sub>2</sub> Saturation: 0.00 – 200.0% (200%*) O <sub>2</sub> Part. press: 0.0 – 200.0 mbar (200 mbar*) 0.00 – 600% 0.0 – 1250 mbar Temp: 32° – 122°F (0.0° – 50°C) *If DurOx® oxygen sensor is used	0.0 µS/cm – 2000 mS/cm in 5 ranges in AutoRange mode additional 0.00 µS/cm – 20.00 µS/cm (K=0.01 cm-1) 0.000 µS/cm – 2.000 µS/cm (K=0.01 cm-1) Temp: 23° – 221°F (-5° – 105°C) Salinity: 0.0 – 70.0 TDS: 0.00 – 2000 mg/l Spec. Resistivity: 0.00 – 2000 MOhm
<b>Accuracy (±1 digit)</b>	pH: ±0.004 pH, ±0.01 pH mB: ±0.2 mV, ±1mV	O <sub>2</sub> Conc: ±0.5% of value O <sub>2</sub> Saturation: ±0.5% of value O <sub>2</sub> Part. press: ±0.5% of value	Cond: ±0.5% of value
<b>Temperature Compensation</b>	Automatic: 23° – 221°F (-5° – 105°C) Manual: -4° – 266°F (-20° – 130°C) NTC 30 KOHM: ±0.1 K Pt 1000: ±0.1 K	32° – 122°F (0° – 50°C) (on ambient temperature 41° – 86°F (5° – 30°C) <2% at 32° – 104°F (0° – 40°C) Temperature: ±0.1 K	23° – 212°F (-5° – 100°C) • Linear and non-linear function for ultrapure and natural waters to DIN 38 404 and EN 27 888 • Linear comp. from 0.01% – 3.00% K • Compensation can be switched off NTC 30 KOHM: ±0.1 K Pt 1000: ±0.1 K
<b>Air Pressure Compensation</b>	–	Automatic with built in pressure sensor (500 – 1100 hPa)	–
<b>Salinity Correction</b>	–	Auto	–
<b>Ref. Temperature</b>	–	–	68°F/ 77°F (20°C/25°C) selectable
<b>Cell Constants</b>	–	–	Fixed: 0.01 cm-1 Freely Selectable: 0.090 – 0.110 cm-1 0.250 – 25.000 cm-1 Calibrable: 0.450 – 0.500 cm-1 0.800 – 1.200 cm-1

**CALL GEOTECH TODAY (800) 833-7958**

Geotech Environmental Equipment, Inc.  
2650 East 40th Avenue • Denver, Colorado 80205  
(303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242  
email: sales@geotechenv.com website: www.geotechenv.com