# Water Quality Meters

# <u>geotec</u>

## WTW ProfiLine 3310 Series Single Parameter Handheld Meters

For performing measurements with single values in a variety of applications.

The 3310 Series is the best choice where high capacity data logging is required whether you are measuring pH, D.O. or conductivity. Not only quality but also quantity makes the difference.

### **FEATURES**

- High capacity datalogging, 5000 data sets
- USB interface, fast data transfer
- Backlit graphic display
- Robust housing, 100% water-proof



### **MODEL DESCRIPTIONS**

#### ProfiLine pH 3310

A convenient pH/mV instrument for many applications. The pH 3310 is a portable precision pH/mV meter with an intuitive user interface. The unique Continuous Measurement Control (CMC) feature ensures that measured values and calibration ranges are within the optimum range, particularly useful for someone less familiar with pH measurements.

The pH 3310 is an elegant combination of a portable meter and data logger for those who automatically save measurement data and want to process data on a PC.

#### ProfiLine Oxi 3310

The Oxi 3310 is a portable first class dissolved oxygen meter with intuitive, user-friendly interface. Measured values are displayed as concentration, saturation or partial pressure, individual values can also be manually saved and displayed on the screen.

Ideal for automatically recording and transmitting large amounts of data: The Oxi 3310 includes interval-controlled data logger and memory for 5000 entries – ideal for automatic data collection in the field.

#### **ProfiLine Cond 3310**

The versatile Cond 3310: Easily perform conductivity measurements in a wide variety of samples with either two- and/or four-electrode cells using this flexible meter, which offers the additional option of measuring with linear or without temperature compensation.

Automatically store or transmit data series: The Cond 3310 includes interval-controlled data logger. With a large memory capacity and a waterproof USB interface, the Cond 3310 is ideal for collecting large amounts of data, with date, time and ID #.

## **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

# Water Quality Meters

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# WTW ProfiLine 3310 Series Single Parameter Handheld Meters

## **SPECIFICATIONS**

Instrument   Up to 10 calibrations     Celisus/Fahrenheit   Yes     AutoRead   Automatic/Manual Selectable     Display   LCD graphic display, backlit     Data Memory   Manual 200/5000 automatic     Logger   Manual 200/5000 automatic     Using   Manual 200/5000 automatic     Data Memory   Manual 200/5000 automatic     Ugger   Manual 200/5000 automatic     Using   Manual 200/5000 automatic     Opwer Supply   4 x 1.5V AA or 4 x 1.2V NiMH rechargeable battery     Continuous Operation Time   Up to 100 hours/800 hours without backlit     Protection Class   IP-67     pH 3310, pH/ION 3310   Ph     2.00 - 20.00 ±0.1 pH   -2.00 - 20.00 ±0.01 pH     -2.000 - 19.999 ±0.005 pH   -2.000 ±0.3 pH     -2.000 ±0.31 pH   -2.000 ±0.31 pH     -2.000 ±0.30 mV   ±1200.00 ±0.35 pH     -2.000 ±0.200 ±0.31 pH   -2.000 ±0.31 pH     -2.000 ±0.31 pH   -2.000 ±0.31 pH     -2.000 ±0.3310   D     Dissolved Oxygen Concentration*   0.00 - 20.00 mg/l ±0.5% of value     0 = 500.0% ±0.5 for value   0 = 900.0% ±0.5 for value     0 = 9000% ±0.5 for	
Celsius/Fahrenheit   Yes     AutoRead   Automatic/Manual Selectable     Display   LCD graphic display, backlit     Data Memory   Manual/Time Controlled     Interface   USB 1.1     Power Supply   4 x 1.5V AA or 4 x 1.2V NiMH rechargeable battery     Continuous Operation Time   Up to 100 hours/800 hours without backlit     Protection Class   IP-67     pH 3310, pH/ION 3310   -2.0 - 20.0 ±0.1 pH -2.000 - 19.999 ±0.005 pH     mV   ±1200.0 ±0.3 mV ±1200.0 ±0.3 mV ±1200.0 ±0.3 mV ±1200.0 ±0.3 mV     (mg/A, µmol/A, mg/kg, ppm, %)   1000 - 99.99 1000 - 99.99 1000 - 99.99 1000 - 99.99 1000 - 999.99 1000 - 999.99 1000 - 999.99     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     Oxi 3310   0.00 - 20.00 mg/1 ±0.5% of value     Oxi 3310   0.00 - 20.00 mg/1 ±0.5% of value     Partial Pressure*   0 - 200.00 hPa, 0 - 1250 hPa. ±0.5% of value     Temperature   -5.0 - 50.0°C ±0.1°C     Calibration   1-, 2-, 3-, 4-, 5- point WTW Technical NIST and 20 additional buffer     Oxi 3310   0.00 - 20.00 mg/1 ±0.5% of value     Ox 600% ±0.5 of value   - 5.0 - 50	
AutoReadAutomatic/Manual SelectableDisplayLCD graphic display, backlitData MemoryManual 200/5000 automaticLoggerManual Z01/ine ControlledInterfaceUSB 1.1Power Supply4 x 1.5V AA or 4 x 1.2V NiMH rechargeable batteryContinuous Operation TimeUp to 100 hours/800 hours without backlitProtection ClassIP-67pH 3310, pH/10N 3310pH-2.0 - 20.0 ±0.1 pH -2.000 - 19.999 ±0.005 pHmV±1200.0 ±0.3 mV ±1200.0 ±0.3 mV ±1200.0 ±0.3 mV ±1200.0 ±0.999 (Not pH 3310) 10.00 - 99.99(mg/l, µmol/l, mg/kg, ppm, %)0.000 - 9.999 (Not pH 3310) 10.00 - 99.99Temperature Calibration-5.0 - 105.0°C ±0.1°C 0.9 ±0.400 mg/1±0.5% of valueOxi 33100.00 - 20.00 mg/1±0.5% of valueDissolved Oxygen Concentration* Temperature Calibration0.00 - 20.00 mg/1±0.5% of value 0 - 600% ±0.5 of valuePartial Pressure* Temperature Calibration0.00 - 1200.0 hPa, 0 - 1250 hPa. ±0.5% of value 0 - 600% ±0.5 of valueCalibration CalibrationCellOx*/DurX* with calibration vessels versus external standard WesBuilt-in Barometric Sensor * dependingYes	
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 battery     Continuous Operation Time   Up to 100 hours/800 hours without backlit     Protection Class   IP-67     pH 3310, pH/ION 3310   PH     -2.0 - 20.0 ±0.1 pH     -2.00 - 10.0 p99 ±0.005 pH     mV   ±1200.0 ±0.3 mV     ±(2500 ±1) mV     (mg/l, µmol/l, mg/kg, ppm, %)     10.00 - 99.99     10.00 - 99.99     10.00 - 99.99     10.00 - 99.99     10.00 - 99.99     10.00 - 99.99     10.00 - 99.99     10.00 - 99.99     10.00 - 99.99     10.00 - 99.99     10.00 - 99.99     10.00 - 90.00 mg/l ±0.5% of value     0.4 - 20.00 mg/l ±0.5% of value     0.5 - 0.00 mg/l ±0.5% of value     0.6 - 200.0 mg/l ±0.5% of value     0.7 - 200.0 ±0.5% of value     0.8 - 200.0 ±0.5% of value     0.9 - 90.0 g/L ±0.5% of value     0.8 - 200.0 ±0.5% of value <t< th=""><th></th></t<>	
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 battery   Continuous Operation Time Up to 100 hours/800 hours without backlit   Protection Class IP-67   pH 3310, pH/ION 3310 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   (mg/l, µmol/l, mg/kg, ppm, %) ISE 0.000 - 9.999 (Not pH 3310) 10.00 - 999.9 10000 - 999.9 10000 - 999.9 10000 - 999.9 10000 - 999.9   Temperature -5.0 - 105.0°C ±0.1°C   CAL Yes   Oxi 3310 Output   Dissolved Oxygen Concentration* 0.00 - 20.00 mg/1±0.5% of value 0 - 90 mg/1±0.5% of value   Partial Pressure* 0 - 200.00 hpa, 0 - 1250 hPa, ±0.5% of value   Partial Pressure* 0 - 200.00 hpa, 0 + 120.5% of value   Built-in Barometric Sensor Yes   * depending Conductivity mS/cm 0.0 - 1000 mS/cm ±0.5% of value	
Logger   Manual/Time Controlled     Interface   USB 1.1     Power Supply   4 x 1.5V AA or 4 x 1.2V NiMH rechargeable battery     Continuous Operation Time   Up to 100 hours/800 hours without backlit     Protection Class   IP-67     pH 3310, pH/ION 3310   PH     -2.0 - 20.0 ±0.1 pH -2.00 - 19.999 ±0.005 pH     mV   ±1200.0 ±0.3 mV ±(2500 ±1) mV     (mg/l, µmol/l, mg/kg, ppm, %)   10.00 - 99.99     1000 - 99.99   (Not PH 3310)     (mg/l, µmol/l, mg/kg, ppm, %)   10.00 - 99.99     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     Oxi 3310   0.00 - 20.00 mg/l ±0.5% of value     Dissolved Oxygen Concentration*   0.00 - 200.00 mg/l ±0.5% of value     0.0 - 200.00 ha, 0 - 1250 hPa. ±0.5% of value   0 - 600% ±0.5 fo of value     0.0 - 200.00 ha, 0 - 1250 hPa. ±0.5% of value   0 - 600% ±0.5 fo of value     0.0 - 200.00 ha, 0 - 1250 hPa. ±0.5% of value   0 - 600% ±0.5 fo of value     0.0 - 200.00 ha, 0 - 1250 hPa. ±0.5% of value   0 - 600% ±0.5 fo of value     0.0 - 200.00 ha, 0 - 1250 hPa. ±0.5% of value   0 - 600% ±0.5 fo of value	
InterfaceUSB 1.1Power Supply $4 \times 1.5V$ AA or $4 \times 1.2V$ NiMH rechargeable batteryContinuous Operation TimeUp to 100 hours/800 hours without backlitProtection ClassIP-67pH 3310, pH/ION 3310 $-2.0 - 20.0 \pm 0.1$ pH $-2.00 - 20.00 \pm 0.01$ pH $-2.000 - 19.999 \pm 0.005$ pHmV $\pm 1200.0 \pm 0.3$ mV $\pm (2500 \pm 1)$ mV(mg/L, µmol/L, mg/kg, ppm, %)ISE $10.00 - 9.999$ (Not pH 3310) $10.00 - 99.99$ $100.00 - 999.99$ Temperature $-5.0 - 105.0^{\circ}C \pm 0.1^{\circ}C$ Calibration $1, 2, 3, 4, 5$ -point WTW Technical NIST and 20 additional bufferOxi 3310 $0.00 - 20.00 mg/L \pm 0.5\%$ of value $0 - 90 mg/L \pm 0.5\%$ of value $0 - 900 mg/L \pm 0.5\%$ of valuePartial Pressure* $0 - 200.0\% 0.1\%$ of value $0 - 200.0\% 0.7\%$ of valuePartial Pressure* $0 - 200.0\% 0.1\%$ of value $0 - 200.0\% 0.7\%$ of valueCalibrationCellOx*/DurOx* with calibration vessels versus external standard Built-in Barometric Sensor * 'dependingYesConductivity mS/cm $0.0 - 1000$ mS/cm $\pm 0.5\%$ of value	
Power Supply $4 \times 1.5V$ AA or $4 \times 1.2V$ NiMH rechargeable batteryContinuous Operation TimeUp to 100 hours/800 hours without backlitProtection ClassIP-67pH 3310, pH/ION 3310PH $-2.00 - 20.0 \pm 0.1$ pH $-2.00 - 20.00 \pm 0.01$ pH $-2.000 - 10.999 \pm 0.005$ pHmV $\pm 1200.0 \pm 0.3$ mV $\pm (2500 \pm 1)$ mV(mg/l, µmol/l, mg/kg, ppm, %) $0.00 - 9.999$ (Not pH 3310) $10.00 - 99.99$ $1000 - 999.99$ $1000 - 999.99$ Temperature $-5.0 - 105.0^{\circ}C \pm 0.1^{\circ}C$ Calibration $1., 2., 3., 4., 5$ -point WTW Technical NIST and 20 additional bufferOxi 33100.00 - 20.00 mg/l ± 0.5% of value $0 - 90 mg/L \pm 0.5\%$ of value $0 - 600\% \pm 0.5$ for value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of valueDisolved Oxygen Concentration* $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of valueDisolved Oxygen Concentration* $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of valueDisolved Oxygen Concentration* $0 - 200.0 hp.8, 0 - 1250 hPa. \pm 0.5\%$ of value <t< th=""><th></th></t<>	
Continuous Operation Time     Up to 100 hours/800 hours without backlit       Protection Class     IP-67       pH 3310, pH/ION 3310     pH       -2.0 - 20.0 ±0.1 pH       -2.00 - 19.999 ±0.005 pH       -2.000 ±0.01 pH       -2.000 ±0.1 pH       -2.000 ±0.01 pH       -2.000 ±0.03 mV       ±1200.0 ±0.3 mV       ±(2500 ±1) mV       (mg/l, µmol/l, mg/kg, ppm, %)       10.00 - 99.99       10.00 - 99.99.9       1000 - 999.99       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       Oxi 3310       Dissolved Oxygen Concentration*       0.00 - 20.00 mg/l ±0.5% of value       0 - 000% ±0.5 for value       0 - 600% ±0.5 for value       0 - 200.0 hPa, 0 - 1250 hPa. ±0.5% of value       Partial Pressure*       0 - 200.0 hPa, 0 - 1250 hPa. ±0.5% of value       -5.0 - 50.0°C ±0.1°C       Calibration       CellOx*/DurOx* with calibration vessels versus external standard       Built-in Barometric Sensor	
Protection Class     IP-67       pH 3310, pH/ION 3310     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 ±1200.0 ±0.3 mV       ±(2500 ±1) mV     ±       (mg/l, µmol/l, mg/kg, ppm, %)     0.000 - 9.999 (Not pH 3310) 10.00 - 999.9 1000 - 999.99 1000 - 999.99       Temperature     -5.0 - 105.0°C ±0.1°C       CMC     Yes       Oxi 3310     0.00 - 20.00 mg/l ±0.5% of value       Dissolved Oxygen Concentration*     0.00 - 20.00 mg/l ±0.5% of value       0.00 - 200.00 hP, 0 - 1250 hPa. ±0.5% of value     0.00 - 200.00 mg/l ±0.5% of value       Partial Pressure*     0 - 200.00 mg/l ±0.5% of value       Decimation     CellOx*/DurOx* with calibration vessels versus external standard       Built-in Barometric Sensor     Yes       * depending     Yes	
pH 3310, pH/ION 3310     pH       2.0 - 20.0 ±0.1 pH -2.00 - 20.00 ±0.01 pH -2.00 - 19.999 ±0.005 pH	
pH     -2.0 - 20.0 ±0.01 pH       -2.00 - 20.00 ±0.01 pH       -2.00 - 19.999 ±0.005 pH       mV     ±1200.0±0.3 mV       ±(2500 ±1) mV       (mg/l, µmol/l, mg/kg, ppm, %)     0.000 - 9.999 (Not pH 3310)       (mg/l, µmol/l, mg/kg, ppm, %)     10.00 - 99.99       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       Oxi 3310     0.00 - 20.00 mg/l ±0.5% of value       Dissolved Oxygen Concentration*     0.00 - 200.00 mg/l ±0.5% of value       0.0 - 200.00 hPa, 0 - 1250 hPa, ±0.5% of value     0 - 600% ±0.5 f value       Partial Pressure*     0 - 200.0 hPa, 0 - 1250 hPa, ±0.5% of value       Temperature     -5.0 - 50.0°C ±0.1°C       Galibration     CellOx*/DurOx* with calibration vessels versus external standard       Built-in Barometric Sensor     Yes       * depending     Yes       Conductivity mS/cm     0.0 - 1000 mS/cm ±0.5% of value	
-2.00 - 20.00 ±0.01 pH     -2.000 - 19.999 ±0.005 pH     mV   ±1200.0 ±0.3 mV     ±(2500 ±1) mV     (mg/l, µmol/l, mg/kg, ppm, %)   0.000 - 9.999 (Not pH 3310)     10.00 - 99.99   100.0 - 999.99     1000 - 999.99   1000 - 99999     CMC   Yes     Calibration   1-, 2-, 3-, 4-, 5-point WTW Technical NIST and 20 additional buffer     Oxi 3310   0.00 - 20.00 mg/l ±0.5% of value     Dissolved Oxygen Concentration*   0.00 - 200.00 mg/l ±0.5% of value     0.0 - 200.00 k ±0.5% of value   0 - 90 mg/L ±0.5% of value     0.0 - 200.00 k ±0.5% of value   0 - 200.00 k ±0.5% of value     0.0 - 200.00 k ±0.5% of value   0 - 600% ±0.5% of value     0.0 - 200.00 k ±0.5% of value   0 - 600% ±0.5% of value     0.0 - 200.00 k ±0.5% of value   0 - 600% ±0.5% of value     0.0 - 200.00 k ±0.5% of value   0 - 600% ±0.5% of value     0.0 - 200.00 k ±0.5% of value   0 - 600% ±0.5% of value     0.0 - 200.00 k ±0.5% of value   0 - 200.0% ±0.5% of value     0.0 - 200.0% ±0.5% of value   0 - 600% ±0.5% of value     0.0 - 1000 mS/cm ±0.5% of value   0 - 600% ±0.5% of value	
±(2500 ±1) mV       (mg/l, μmol/l, mg/kg, ppm, %)     0.000 - 9.999 (Not pH 3310) 10.00 - 99.99 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       Oxi 3310     0.00 - 20.00 mg/l ±0.5% of value 0 - 90 mg/L ±0.5% of value       Saturation*     0.00 - 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       Value     0 - 200.0 mg/L ±0.5% of value       0 - 90 mg/L ±0.5% of value     0.0 - 200.0 mg/l ±0.5% of value       Calibration*     0.0 - 200.0 hPa, 0 - 1250 hPa, ±0.5% of value       0 - 200.0 hPa, 0 - 1250 hPa, ±0.5% of value     -5.0 - 50.0°C ±0.1°C       Calibration     CellOx*/DurOx* with calibration vessels versus external standard       Built-in Barometric Sensor     Yes       * depending     -       Cond 3310     0.0 - 1000 mS/cm ±0.5% of value	
(mg/l, μmol/l, mg/kg, ppm, %)     10.00 - 99.99       1000 - 999.99     1000 - 999.99       1000 - 99999     1000 - 99999       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       Oxi 3310     0.00 - 20.00 mg/l ±0.5% of value       Dissolved Oxygen Concentration*     0.00 - 20.00 mg/l ±0.5% of value       0.0 - 90 mg/L ±0.5% of value     0.00 - 200.0% ±0.5% of value       0.0 - 200.0% ±0.5% of value     0.00 - 200.0% ±0.5% of value       0.0 - 200.0 hPa, 0 - 1250 hPa. ±0.5% of value     0 - 200.0 hPa, 0 - 1250 hPa. ±0.5% of value       Temperature     -5.0 - 50.0°C ±0.1°C     CellOx*/DurOx* with calibration vessels versus external standard       Built-in Barometric Sensor     Yes     Yes       * depending     0.0 - 1000 mS/cm ±0.5% of value     0.0 - 1000 mS/cm ±0.5% of value	
CMCYesCalibration1-, 2-, 3-, 4-, 5-point WTW Technical NIST and 20 additional bufferOxi 33100.00 - 20.00 mg/l ±0.5% of value 0 - 90 mg/L ±0.5% of valueDissolved Oxygen Concentration*0.00 - 20.00 mg/l ±0.5% of value 0 - 90 mg/L ±0.5% of valueSaturation*0.00 - 200.0% ±0.5% of value 0 - 600% ±0.5% of value 0 - 600% ±0.5 of valuePartial Pressure*0 - 200.0 hPa, 0 - 1250 hPa. ±0.5% of valueTemperature Calibration-5.0 - 50.0°C ±0.1°C CellOx*/DurOx* with calibration vessels versus external standard Yes* dependingYesCond 33100.0 - 1000 mS/cm ±0.5% of value	
Calibration1-, 2-, 3-, 4-, 5-point WTW Technical NIST and 20 additional bufferOxi 3310Dissolved Oxygen Concentration*0.00 - 20.00 mg/l ±0.5% of value 0 - 90 mg/L ±0.5% of valueSaturation*0.00 - 200.0% ±0.5% of value 0 - 600% ±0.5 of value 0 - 600% ±0.5 of valuePartial Pressure*0 - 200.0 hPa, 0 - 1250 hPa. ±0.5% of value 0 - 50.0°C ±0.1°CCalibrationCellOx*/DurOx* with calibration vessels versus external standard Yes* dependingYesCond 33100.0 - 1000 mS/cm ±0.5% of value	
Oxi 3310     0.00 - 20.00 mg/l ±0.5% of value 0 - 90 mg/L ±0.5% of value       Saturation*     0.00 - 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     0.0 - 1000 mS/cm ±0.5% of value	
Dissolved Oxygen Concentration* $0.00 - 20.00 \text{ mg/l} \pm 0.5\%$ of value $0 - 90 \text{ mg/L} \pm 0.5\%$ of valueSaturation* $0.0 - 200.0\% \pm 0.5\%$ of value $0 - 600\% \pm 0.5\%$ of value $0 - 600\% \pm 0.5\%$ of valuePartial Pressure* $0 - 200.0 \text{ hPa}, 0 - 1250 \text{ hPa}, \pm 0.5\%$ of valuePartial Pressure* $0 - 200.0 \text{ hPa}, 0 - 1250 \text{ hPa}, \pm 0.5\%$ of valueCalibrationCellOx*/DurOx* with calibration vessels versus external standardBuilt-in Barometric Sensor * dependingYesCond 3310 $0.0 - 1000 \text{ mS/cm} \pm 0.5\%$ of value	sets
Dissolved Oxygen Concentration* $0.00 - 20.00 \text{ mg/l} \pm 0.5\%$ of value $0 - 90 \text{ mg/L} \pm 0.5\%$ of valueSaturation* $0.0 - 200.0\% \pm 0.5\%$ of value $0 - 600\% \pm 0.5\%$ of value $0 - 600\% \pm 0.5\%$ of valuePartial Pressure* $0 - 200.0 \text{ hPa}, 0 - 1250 \text{ hPa}, \pm 0.5\%$ of valuePartial Pressure* $0 - 200.0 \text{ hPa}, 0 - 1250 \text{ hPa}, \pm 0.5\%$ of valueCalibrationCellOx*/DurOx* with calibration vessels versus external standardBuilt-in Barometric Sensor * dependingYesCond 3310 $0.0 - 1000 \text{ mS/cm} \pm 0.5\%$ of value	
Saturation*0.0 - 200.0% ±0.5% of value 0 - 600% ±0.5 of valuePartial Pressure*0 - 200.0 hPa, 0 - 1250 hPa. ±0.5% of valueTemperature-5.0 - 50.0°C ±0.1°CCalibrationCellOX*/DurOX* with calibration vessels versus external standard Yes* dependingYesCond 33100.0 - 1000 mS/cm ±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   -     Cond 3310   0.0 – 1000 mS/cm ±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   Cond 3310     Cond uctivity mS/cm   0.0 – 1000 mS/cm ±0.5% of value	
Calibration CellOx®/DurOx® with calibration vessels versus external standard   Built-in Barometric Sensor Yes   * depending One of the second standard   Cond 3310 0.0 – 1000 mS/cm ±0.5% of value	
Built-in Barometric Sensor Yes   * depending Yes   Cond 3310 O.0 – 1000 mS/cm ±0.5% of value	
<b>Conductivity mS/cm</b> 0.0 – 1000 mS/cm ±0.5% of value	
Additionally $0.000 - 1.999 \mu\text{S/cm} \text{K} = 0.01 \text{cm}^{-1}$ Conductivity $\mu\text{S/cm}$ $0.00 - 19.99 \mu\text{S/cm} \text{K} = 0.1 \text{cm}^{-1}$	
<b>Specific Resistance</b> 0.00 – 20 MΩ cm	
Cell Constants     fixed:     0.010 cm <sup>-1</sup> calibratable:     0.450 – 0.500 cm <sup>-1</sup> 0.800 – 0.880 cm <sup>-1</sup> adjustable:     0.090 – 0.110 cm <sup>-1</sup> 0.250 – 25.000 cm <sup>-1</sup>	
<b>Salinity</b> 0.0 – 70.0 (acc. IOT)	
<b>TDS</b> 0 – 1999 mg/l. 0 bis 199.9 g/l	
<b>Temperature</b> -5.0° – 105.0°C ±0.1°C	
<b>Tref</b> 20°C/25°C	
Temperature Compensation None. nlF. 0.000 – 3.000%/K	

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# geotech

## WTW ProfiLine 3310 Series Single Parameter Handheld Meters

### **ORDERING INFORMATION**

Model	Description
pH/ION 3310	Professional pH/mV/ISE meter with DIN socket, backlit graphic display, for mobile application with data logger and USB interface. Meter, insulated carry case, instruction manual, CD-ROM and batteries, cable.
рН 3310	Professional, field proven pH/mV-meter with backlit graphic display, for portable application with data logger and USB interface. Meter, insulat- ed carry case, short instruction manual, CD-ROM and batteries, cable.
pH 3310 Set 2	Professional, field proven pH/mV-meter with back- lit graphic display, for portable application with data logger and USB interface. Meter in carry case with pH electrode SenTix <sup>®</sup> 41, buffer solution STP 4 and STP 7, stand, beaker, CD-ROM, driver software for USB, batteries, cable.
Oxi 3310	Professional, field proven D.O. meter with backlit graphic display for portable application including data logger and USB interface. Meter, insulated carry case, short instruction manual, CD-ROM and batteries.
Oxi 3310 Set 1	Professional, field proven D.O. meter with backlit graphic display for portable application including data logger and USB interface. Meter with carry case including galvanic D.O. probe CellOx® 325, cleaning solution, electrolyte, 3 exchange mem- brane heads, stand, beaker. Including short instruction manual, CD-ROM, batteries, driver software for USB, cable.
Cond 3310	Professional, field proven conductivity meter with backlit LCD-graphic display for field application including data logger, USB-interface. Meter, insu- lated carry case, short instruction manual, CD-ROM and batteries.
Cond 3310 Set 1	Professional, field proven conductivity meter with backlit graphic display for field application including data logger, USB-interface. Meter with carry case including 4-electrode conductivity cell TetraCon <sup>®</sup> 325, standard solution 1413 µS/cm at 25°C, stand, beaker, short instruction manual, CD- ROM and batteries, driver software for USB, cable.



Set Carry 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.

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

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