

ProfiLine - analogue

All portable meters are available including sensors and accessories in a practical field case.



ProfiLine pH 3310 SET 2

Technical specifications: Profiline portable analogue pH meters

ProfiLine	Multi 3320	pH/Cond 3320	pH/ION 3310	pH 3310	pH 3110	
Measurement ranges/ resolution	pH	-2.0 ... 20.0	-2.0 ... 20.0	-2.0 ... 20.0	-2.0 ... 20.0	-2.0 ... 20.0
		-2.00 ... 20.00	-2.00 ... 20.00	-2.00 ... 20.00	-2.00 ... 20.00	-2.00 ... 20.00
		-2.000 ... 19.999	-2.000 ... 19.999	-2.000 ... 19.999	-2.000 ... 19.999	-2.000 ... 19.999
	mV	± 1200.0 ± 2500	± 1200.0 ± 2500	± 1200.0 ± 2500	± 1200.0 ± 2500	± 1200.0 ± 2000
	Temp.	-5.0 ... +105.0 °C	-5.0 ... +105.0 °C	-5.0 ... +105.0 °C	-5.0 ... +105.0 °C	-5.0 ... +105.0 °C
	Conc.	0.000 ... 9.999	0.000 ... 9.999	0.000 ... 9.999	-	-
	(mg/l, µmol/l,	10.00 ... 99.99	10.00 ... 99.99	10.00 ... 99.99	-	-
	mg/kg, ppm,	100.0 ... 999.9	100.0 ... 999.9	100.0 ... 999.9	-	-
	%)	1000 ... 999999	1000 ... 999999	1000 ... 999999	-	-
Accuracy (±1 digit)	pH	± 0.1 pH ± 0.01 pH ± 0.005 pH	± 0.1 pH ± 0.01 pH ± 0.005 pH	± 0.1 pH ± 0.01 pH ± 0.005 pH	± 0.1 pH ± 0.01 pH ± 0.005 pH	± 0.1 pH ± 0.01 pH ± 0.005 pH
	mV	± 0.3 mV ± 1 mV	± 0.3 mV ± 1 mV	± 0.3 mV ± 1 mV	± 0.3 mV ± 1 mV	± 0.3 mV ± 1 mV
	Temp.	± 0.1 °C	± 0.1 °C	± 0.1 °C	± 0.1 °C	± 0.1 °C
Calibration		1-, 2-, 3-, 4-, 5-point, WTW techn., DIN, NIST as well as additional 22 buffer sets, 1- to 5-point ConCal® calibration with arbitrary buffers				1-, 2-, 3-point, WTW techn. and DIN buffers
	ISE	2-7 points	2-7 points	2-7 points	-	-
CMC	Yes	Yes	Yes	Yes	-	
Data memory	Manual 200/5000 automatic	Manual 200/5000 automatic	Manual 200/5000 automatic	Manual 200/5000 automatic	-	
Logger	Manually/time-controlled	Manually/time-controlled	Manually/time-controlled	Manually/time-controlled	-	
Display	LCD graphics, backlit	LCD graphics, backlit	LCD graphics, backlit	LCD graphics, backlit	7-Segment LCD	
Permanent operation	Up to 800 h without/ 100 h with illumination	Up to 800 h without/ 100 h with illumination	Up to 800 h without/ 100 h with illumination	Up to 800 h without/ 100 h with illumination	Up to 2500 h	

ProfiLine Multi 3320: The environment specialist

The Multi 3320 for the measurement of pH, ISE, ORP, conductivity and dissolved oxygen (electrochemical) is an ideal meter for environmental applications in the area of ground and surface water measurement, aquaculture, as well as in a wastewater treatment plant and much more.

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ProfiLine Multi 3320

ProfiLine pH/Cond 3320: Perfect in process

The pH / Cond 3320 with two inputs for pH, mV, ISE and conductivity measurement is an all-rounder for almost all applications in process chemistry from life science, food and beverage to the pharmaceutical industry (measurement of pH and conductivity according to pharmacopoeia).

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ProfiLine pH/Cond 3320

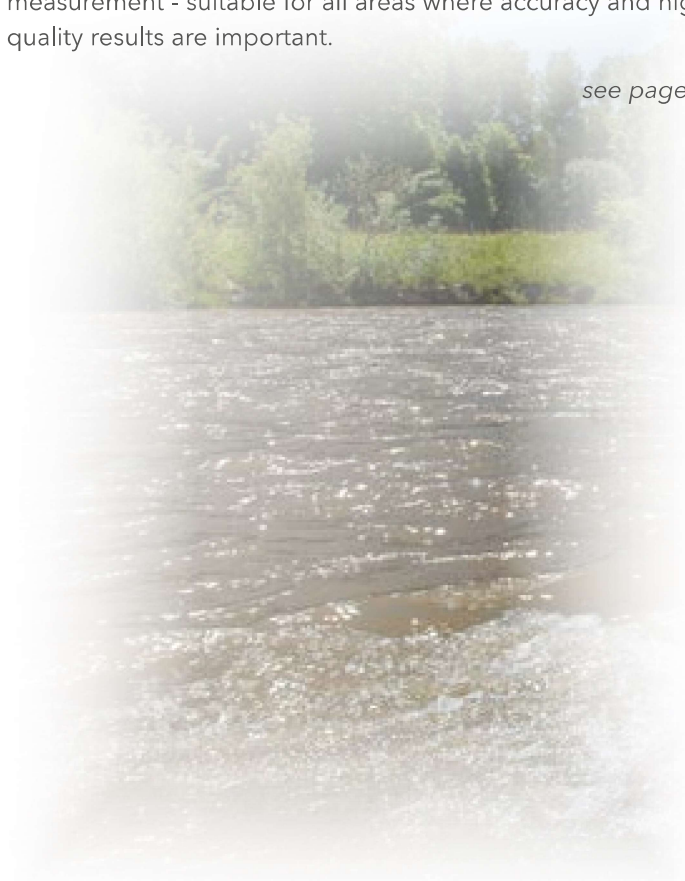
ProfiLine pH/ION 3310: pH-, mV- and concentration measurement in one hand

pH/ISE portable meter for pH, mV and concentration measurement - suitable for all areas where accuracy and high-quality results are important.

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ProfiLine pH/ION 3310



ProfiLine pH 3310: Reliable pH documentation



ProfiLine pH 3310

- **Waterproof USB interface for fast data transfer**
- **Data output in *.csv-Format**
- **Data logger for up to 5000 data sets**

The pH 3310 is an elegant combination of a robust portable meter and data logger for anyone who wants to automatically save measurement series and process them further on the PC.

Reliable measurements

- Repeatable measurement results due to active automatic AutoRead function
- The CMC function visualises the optimal measuring range and supports correct measuring
- Graphic display with plain text menus for convenient and safe operation

GLP/AQA compliant documentation

- Transmission of all data in *.csv format via USB interface at the PC
- Formatted takeover into Excel (MultiLab® Importer included in the delivery or as a download)

Flexible and high performance:

- 1- to 5-point calibration with calibration timer for all measuring tasks
- 24 pre-programmed buffer sets for easy calibration
- Backlit graphic display with CMC display



ProfiLine pH 3110: Easy pH measurement



ProfiLine pH 3110

- **pH or ORP measurement**
- **Simple 1 to 3 point calibration with adjustable calibration timer**
- **Robust and waterproof (IP 67)**

The pH 3110 is ideal for anyone looking for a simple, robust and waterproof meter for portable pH measurement.

Reliable measurements

- Repeatable measurement results due to active automatic AutoRead function for the detection of stable measured values
- For the safe operation automated functions and simplified keyboard
- A waterproof DIN socket enables for measurement also in a humid environment

Easy and reliable:

- Easily readable display for measured value and temperature
- Silicon keyboard with tactile key click, operable with gloves
- For field use in a carrying case set with proven electrodes



Order information: ProfiLine portable measuring pH meters

Model	Description	Order no.
ProfiLine pH 3310 SET 2	Robust and waterproof portable pH meter with data logger and USB Mini-B interface, for battery operation, in a carrying case kit with SenTix® 41	2AA312
ProfiLine pH 3110 SET 2	Robust and waterproof portable pH meter for battery operation, in a carrying case kit with SenTix® 41	2AA112

Further electrodes in SET see price list or www.WTW.com