

ProfiLine 3000 Series

Reliable conductivity documentation ...

... with the ProfiLine Cond 3310

The Cond 3310 is a combination of a robust portable meter and a data logger for all who wish to record measuring data automatically and evaluate data on a PC.

ProfiLine Cond 3310

- Waterproof USB interface for fast data transfer
- Data output in .csv format
- Measuring range 0.001 $\mu\text{S}/\text{cm}$ up to 1000 mS/cm

Measuring consistency

- Repeatable measuring results provided by the active, automatic AutoRead function with recognition of stable end values
- Automatic temperature compensation, can be switched-off,
- Linear compensation up to 10 %/K
- Silicone keypad with tangible key click, optional casing for field operation

GLP/AQA compliant documentation

- Large storage for 500 manual and 5000 automatically generated recordings
- Transfer of all data in .csv format via USB interface onto PC,
- On demand formatted export into Excel (MultiLab® Importer included in delivery scope or as download).

Flexible and powerful:

- Measures conductivity, salinity, TDS and specific resistance
- Direct data transfer into Excel
- Also suitable for measurements complying with Pharmacopeia



Parameter

Multi-parameter

pH

ORP

ISE

Dissolved Oxygen (D.O.)

Conductivity

Data logger/flow + level

BOD/Respiration

Photometers

Turbidity

Colony Counter

Software/Printers

Measuring conductivity precisely...

... with the ProfiLine Cond 3210

The ProfiLine Cond 3210: A portable and convenient conductivity meter for measuring in varying samples with 2- and 4-electrode measuring cells and changing temperature compensation methods.

ProfiLine Cond 3210

- Convenient user guidance
- Manual storage function
- For all common WTW conductivity cells



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Measuring consistency

- Repeatable measuring results provided by the active, automatic AutoRead function with recognition of stable end values
- Automatic temperature compensation, can be switched-off
- Silicone keypad with tangible key click, optional casing for field operation

Documentation

- Storage with output via display or for occasional documentation

Flexible and powerful

- Measures conductivity, TDS, salinity and specific resistance
- Special measuring cells can be connected
- Also suitable for measurements complying with Pharmacopeia

Easy measuring of conductivity...

... with the ProfiLine Cond 3110

The Cond 3110 is an easy-to-use, reliable conductivity meter with automatic nLF temperature compensation complying with DIN EN 27888 for routine measurements in natural water and wastewater.

ProfiLine Cond 3110

- Suitable for TetraCon® 325 or KLE 325
- Automatic temperature compensation
- Salinity



Measuring reliability

- Repeatable measuring results provided by the active, automatic AutoRead function with recognition of stable end values
- Safe operation: Automated functions reduce the number of keys (6)
- Water-resistant 8-pin socket enables reliable measurements also in humid environments.

Easy and reliable:

- High-visibility display for measuring value and temperature
- Silicone keypad with tangible key click, can also be operated with gloves
- For field operation in a case set with the proven electrodes

Technical Data				
Model		Cond 3110	Cond 3210	Cond 3310
Range/ Resolution/ Accuracy	Conductivity	0.0 ... 1000 mS/cm ±0.5% of value	0.0 ... 1000 mS/cm ±0.5% of value 0.000 ... 1.999 µS/cm (for K=0.01 cm ⁻¹) 0.00 ... 19.99 µS/cm (for K=0.1 cm ⁻¹)	0.0 ... 1000 mS/cm ±0.5% of value 0.000 ... 1.999 µS/cm (for K=0.01 cm ⁻¹) 0.00 ... 19.99 µS/cm (for K=0.1 cm ⁻¹)
	Temperature	-5.0 °C ... +105.0 °C ±0.1 °C (23 ... 221 °F)	-5.0 °C ... +105.0 °C ±0.1 °C (23 ... 221 °F)	-5.0 °C ... +105.0 °C ±0.1 °C (23 ... 221 °F)
	Salinity	0.0 ... 70.0 (nach IOT)	0.0 ... 70.0 (according to IOT)	0.0 ... 70.0 (according to IOT)
	TDS	-	0 ... 1999 mg/l, 0 ... 199.9 g/l,	0 ... 1999 mg/l, 0 ... 199.9 g/l,
	Resistivity	-	0.00 ... 999 MΩcm	0.00 ... 999 MΩcm
Reference temperature		20 °C or 25 °C (68 ... 77 °F), selectable	20 °C or 25 °C (68 ... 77 °F), selectable	20 °C or 25 °C (68 ... 77 °F), selectable
Cell constant	fixed:	0.475 cm ⁻¹	0.475 cm ⁻¹ , 0.010 cm ⁻¹	0.475 cm ⁻¹ , 0.010 cm ⁻¹
	with calibration: adjustable:	0.450 ... 0.500 cm ⁻¹ , 0.800 ... 0.880 cm ⁻¹	0.450 ... 0.500 cm ⁻¹ , 0.800 ... 0.880 cm ⁻¹ 0.090 ... 0.110 cm ⁻¹ , 0.250 ... 25.000 cm ⁻¹	0.450 ... 0.500 cm ⁻¹ , 0.800 ... 0.880 cm ⁻¹ 0.090 ... 0.110 cm ⁻¹ , 0.250 ... 25.000 cm ⁻¹
Temperature compensation		Automatic	Automatic / manually selectable	Automatic / manually selectable
Temperature coefficient		• Non-linear function for natural waters (nLF) to EN 27 888	• Non-linear function for natural waters (nLF) to EN 27 888 and ultrapure water function • Linear compensation from 0.000 ... 3.000 %/K • No compensation	• Linear compensation from 0.000 ... 10.000 %/K • No compensation
Memory/Logger		-	Manual 200	Manual 200/5000 automatic
Display		7-Segment LCD, customized	LCD Graphic, backlight	LCD Graphic, backlight
Continuous operation		Up to 1000 hrs.	Up to 800 hrs. without/100 hrs. with backlight	Up to 800 hrs. without/100 hrs. with backlight

Ordering Information		
ProfiLine Portable Conductivity Meter SETs		Order No.
Cond 3110 SET 1	Robust and waterproof battery-operated portable conductivity meter, including TetraCon® 325, professional case and accessories	2CA101
Cond 3210 SET 1	Robust and waterproof battery-operated portable conductivity meter with data logger, including TetraCon® 325, professional case and accessories	2CA201
Cond 3310 SET 1	Robust and waterproof battery-operated portable conductivity meter with data logger and USB mini B interface, including TetraCon® 325, professional case and accessories	2CA301



For other measuring cells in SET, see WTW Product Details