

ProfiLine pH/ION 3310: pH-, mV- and concentration measurement from a single source



ProfiLine pH/ION 3310

- **pH and ISE measurement**
- **2 to 7 point calibration, also non-linear**
- **Convenient menu control**

The pH/ION 3310 is a portable meter for outdoor use for combined pH and ISE measurements. All applications are covered with 1 to 5 point calibration for pH as well as a 2 to 7 point calibration for the direct potentiometric determination with ISE's, including the non-linear range.

Reliable measurements

- Repeatable measurement results with the automatic AutoRead function for detecting stable measurement values
- The CMC function for pH 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 to PC; if desired, formatted transfer to Excel (MultiLab® Importer, included in the delivery or as download)

Flexible and high performance:

- 1 to 5 point calibration for pH
- 2 to 7 point calibration for ion measurements, including the non-linear range
- Concentration readings in different units
- Backlit graphics display

Order information: Portable analogue ISE meters

Model	Description	Order no.
pH/ION 3310	Professional pH/mV/ISE meter, IP 67 waterproof	2GA310

Application table

Ion type	Application
Ammonium (NH ₄ ⁺)	Wastewater
Bromide (Br ⁻)	Wine, plants
Calcium (Ca ²⁺)	Milk products
Chloride (Cl ⁻)	Drinking water, diet foods, mineral water
Copper (Cu ²⁺)	Galvanic baths
Fluoride (F ⁻)	Toothpaste, drinking water, cement
Nitrate (NO ₃ ⁻) [®]	Baby food, fertiliser, wastewater
Potassium (K ⁺) [®]	Wine, fertiliser
Silver (Ag ⁺) [®]	Galvanic baths
Sodium (Na ⁺) [®]	Boiler feed water, diet foods, wine
Sulphide (S ²⁻) [®]	Proteins, sediments

Ion-selective electrodes

Ion-selective and gas-sensitive electrodes are used for measuring the dissolved concentration of specific ions or gases in water. Similar to the pH electrode, the membrane interacts with the dissolved ions and delivers a concentration-dependent voltage signal that is converted to the corresponding measurement result.

Combined ISE and GSE electrodes

- **Space-saving through integrated reference electrode**
- **11 different types available - broad selection of applications including ammonium measurement**
- **Slim and space-saving design with 12 mm shaft diameter**
- **Series 800 with 1 m fixed cable and DIN or BNC plug**