

**pH/mV, pH/Ion, Conductivity meter, SevenExcellence S475**

Modular professional system for measurements of pH, redox potential, conductivity, salinity / TDS and ion concentration. Fits up to three modules in any composition and order, can be expanded with additional measurement parameters at any time.

- Large, high resolution 7" colour touch display (capacitive), very clear and easy to operate
- Modularity and flexibility; up to 3 measuring modules can work in parallel
- Universal communication via 2 x USB, Ethernet (LAN) and RS232
- Plain text user interface in 10 languages with menu guidance in full sentences
- OneClick operation concept to quickly start frequently used functions and preferred methods
- Storage for user methods
- Highest security and GxP support (ID protection, sophisticated user management, limits / alarms, integrated radio clock, etc.)
- Intelligent sensor management (ISM®)
- Connection of stirrer, sample changer, PC, barcode reader, keyboard, local or network printer possible
- Storage up to 20000 data sets (measurements, calibrations, methods)
- 17 predefined, 60 user-defined methods
- 5 point calibration (pH), 13 pre-defined and 20 user-defined buffer groups, incl. temperature chart
- uPlace electrode arm with perfect vertical movement
- Compatible with all METTLER TOLEDO electrodes (Recommended: ISM® electrodes)
- Measurement of the ion concentration with the corresponding electrode

**Scope of supply:**

S475-Basic: Includes 1 x pH/Ion expansion unit, 1 x pH/mV expansion unit, 1 x conductivity expansion unit, uPlace electrode holder, semi-transparent cover, operating instructions, installation and quick guide, LabX® direct pH PC software, declaration of conformity, test certificate



Specifications Measuring range // Resolution // Accuracy
Temperature range MTC / ATC: -30.0 to 130.0 °C // 0.1 °C // ± 0.1 °C
pH: -2.000 to 20.000 // 0.001 / 0.01 / 0.1 // ± 0.002
mV: -2000.0 to 2000.0 // 0.1 / 1 // ± 0.1
Rel. mV: -2000.0 to 2000.0 // 0.1 / 1 // ± 0.1
ISFET pH: 0.000 to 14.000 // 0.001 / 0.01 / 0.1 // ± 0.05
Ion concentration: 0 to 999 999 mg/L, ppm // 0.001 to 1 // $\pm 0.5\%$
0 to 100 mol/L, % // 0.0001 to 1 // $\pm 0.5\%$
0 to 100 000 mmol/L // 0.001 to 1 // $\pm 0.5\%$
-2 to 20 pX // 0.001 to 1 // $\pm 0.5\%$
Conductivity: 0.001 to 999999 μ S/cm // 0.001 to 1 // $\pm 0.5\%$
0.001 to 2000 mS/cm // 0.001 to 1 // $\pm 0.5\%$
0.001 to 200 S/m // 0.0001 to 1 // $\pm 0.5\%$
0.001 to 200000 mS/m // 0.0001 to 1 // $\pm 0.5\%$
0.1 to 999999 μ S/m // 0.001 to 1 // $\pm 0.5\%$
TDS: 0.001 to 1000 g/L , ppt // 0.001 to 1 // $\pm 0.5\%$
0.001 to 999999 mg/L , ppm // 0.001 to 1 // $\pm 0.5\%$
Salinity: 0.01 to 80.0 psu , ppt // 0.01 to 0.1 // $\pm 0.5\%$
Resistivity: 0.01 to 100.0 MWxcm // 0.0001 to 1 // $\pm 0.5\%$
0.01 to 999999 Wxcm // 0.01 to 1 // $\pm 0.5\%$
Conductivity Ash: 0.000 to 2022% // 0.001 to 1 // $\pm 0.5\%$

Code	Description	Packaging
LLG09704364	pH/mV, pH/Ion, Conductivity meter, SevenExcellence S475, Type S475	1 pz





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