

**Conductivity meter SevenExcellence S470**

Mettler-Toledo Online

**Conductivity meter SevenExcellence S470**

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, expansion to 3 channels possible
- 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)

**Scope of supply:**

**S470-Basic:** Includes instrument, 1 x conductivity expansion unit, 1 x pH/mV expansion unit, 1 x blank expansion unit, uPlace electrode holder, semi-transparent cover, operating instructions, installation and quick guide, LabX® direct pH



PC software, declaration of conformity, test certificate

**S470-Kit:** As S470-Basic but with InLab® Expert Pro-ISM, guide to pH measurements, 2 buffer sachets for pH 4.01, 7.00, 9.21 and 10.00.

**S470-USP/EP:** As S470-Kit but with InLab® 741-ISM instead of InLab® 731-ISM and InLab® Pure Pro-ISM instead of InLab® Expert Pro-ISM, BNC/RCA-MultiPinä ISM-cable (1.2 m), without 1413 µS/cm and 12.88 mS/cm calibration sachets

**Specifications Measuring range // Resolution // Accuracy**

**Temperature MTC/ATC:** -30.0 ... 130.0 °C // 0.1 °C // ± 0.1 °C

**pH:** -2.000 ... 20.000 // 0.001 / 0.01 / 0.1 // ± 0.002

**mV:** -2000.0 ... 2000.0 // 0.1 / 1 // ± 0.1

**Rel. mV:** -2000.0 ... 2000.0 // 0.1 / 1 // ± 0.1

**ISFET pH:** 0.000 ... 14.000 // 0.001 / 0.01 / 0.1 // ± 0.05

**Conductivity:** 0.001 ... 999999 µS/cm // 0.001 ... 1 // ± 0.5%

0.001 ... 2000 mS/cm // 0.001 ... 1 // ± 0.5%

0.001 ... 200 S/m // 0.0001 ... 1 // ± 0.5%

0.001 ... 200000 mS/m // 0.0001 ... 1 // ± 0.5%

0.1 ... 999999 µS/m // 0.001 ... 1 // ± 0.5%

**TDS:** 0.001 ... 1000 g/l , ppt // 0.001 ... 1 // ± 0.5%

0.001 ... 999999 mg/l , ppm // 0.001 ... 1 // ± 0.5%

**Salinity:** 0.01 ... 80.0 psu , ppt // 0.01 ... 0.1 // ± 0.5%

**Resistivity:** 0.01 ... 100.0 MW x cm // 0.0001 ... 1 // ± 0.5%

0.01 ... 999999 W x cm // 0.01 ... 1 // ± 0.5%

**Conductivity Ash:** 0.000 ... 2022 % // 0.001 ... 1 // ± 0.5%

| Code        | Description                                               | Packaging |
|-------------|-----------------------------------------------------------|-----------|
| LLG09704361 | Conductivity meter SevenExcellence S470, Type S470-Basic  |           |
| LLG09704362 | Conductivity meter SevenExcellence S470, Type S470-Kit    | 1 pz.     |
| LLG09704363 | Conductivity meter SevenExcellence S470, Type S470-USP/EP |           |





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