

SevenDirect SD23 pH/Conductivity Meter

Straight to the Point



Two Results in One Go

Quick switch between single and dual mode for maximum flexibility: the common parameters pH and conductivity can be measured separately or simultaneously, e.g. in water analysis.



Intuitive to Use

Increased productivity and minimized risk of errors: with its on-screen instructions, SevenDirect™ supports operators in carrying out procedures correctly and with confidence. The automated limit checks enable quick decisions in quality control.



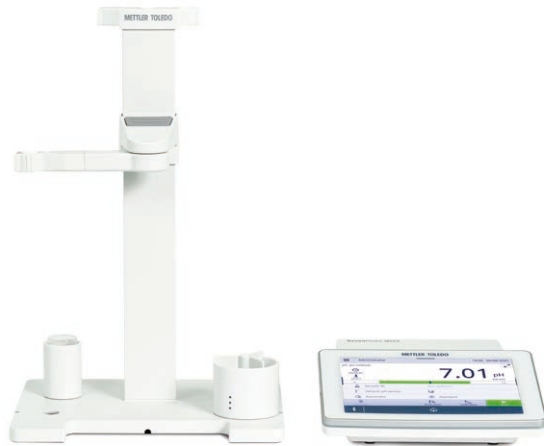
Precise Sensor Position

Simplified handling avoids spilling of sample: the perfectly vertical movement of the EasyPlace™ electrode arm prevents sensor damage and ensures precise positioning, also when using multiple sensors.



Efficient Documentation

Error-free transcriptions in reduced time: the EasyDirect™ pH PC software simplifies data handling by automatically transferring data from instrument to PC, printing or exporting it for further analysis.



SevenDirect Advanced pH/Conductivity Meter Line

The Right Solution for Your Industry

pH and conductivity measurements are common procedures in most laboratories and accurate results are often critical for safety and product quality. Developed for a wide range of applications, SevenDirect™ SD23 benchtop meters provide reliable measurements of almost any sample. Their ease of use, data handling options and robustness will delight discerning users.

No matter what industry—these features make a difference:

- 7" touchscreen with intuitive user interface
- uFocus mode for most important parameters
- StatusLight allowing for an easy readiness check
- Two-level user management to protect instrument settings
- Easy sample ID entry helps to keep track of results
- Optional EasyDirect™ PC software simplifies data handling
- IP54 protection against dust and spills

METTLER TOLEDO



General Specifications

Measurement parameters	Range	Resolution	Accuracy	Calibration methods	Calibration points
pH	−2.000...20.000	0.1/0.01/0.001	±0.002	Linear, Segmented	1 to 5
mV	−2,000.0...2,000.0 mV	1/0.1	±0.1 (−500.0...500.0 mV) ±0.2 (−2,000.0...2,000.0 mV)	—	—
Conductivity	Conductivity: 0.000 µS/cm...2,000 mS/cm TDS: 0.00 mg/L...1,000 g/L Salinity: 0.00...80.00 psu Resistivity: 0.00...100.0 MΩ*cm	Auto-range, max. 0.001	0.5% of measured value	Linear, Manual cell constant	1 or 2
Temperature	−30.0...130.0	0.1 °C	±0.1 °C	—	—

SevenDirect SD23 Kits Overview and General Accessories

Kit	Scope of Delivery	Material No.
Basic Instrument	Instrument, power supply, protective cover, Get-Started-Guide, electrode holder EasyPlace™ with holder for up to three sensors	30671553
Kit	SD23, plus pH electrode InLab expert Pro-ISM, conductivity sensor InLab 731-ISM, 3×3 pH buffer sachets (pH 4.01, 7.00 and 9.21 or 10.01) and 2×2 conductivity standard sachets (1413 µS/cm and 12.88 mS/cm)	30671567
Pure H ₂ O Kit	SD23, plus pH electrode InLab Pure Pro-ISM, conductivity sensor InLab 741-ISM, 3×3 pH buffer sachets (pH 4.01, 7.00 and 9.21 or 10.01) and 2 conductivity standards sachets (84 µS/cm)	30671568

General Accessories	Material No.
EasyPlace: Electrode arm (included in standard delivery)	30671569
Protective cover (included in standard delivery)	30671529
Barcode Scanner	30417466
Licence for EasyDirect™ pH software	30323214
USB A-B cable 1.8 m for EasyDirect™	51191926
EasyMix magnetic stirrer	30671570
Rainbow I pH buffers (3×10 sachets of 20 mL, 4.01/7.00/9.21)	51302068
Rainbow II pH buffers (3×10 sachets of 20 mL, 4.01/7.00/10.01)	51302080
1413 µS/cm conductivity standard in sachets, 30×20 mL	51302049
12.88 mS/cm conductivity standard in sachets, 30×20 mL	51302050