



Conductivity/°C meter, bench, SevenCompact™ S230 Mettler-Toledo



Intuitive and powerful meter combining precise electrochemical measurement technologies with flexibility, innovative design and ease of use. Measures conductivity, salinity, total dissolved solids, resistivity and conductivity ash. Ideal for a wide range of applications.

Regulations

Pure & ultra-pure water: USP/EP compliant

Bioethanol: ABNT NBR 10547:2006

Sugar analysis: ICUMSA GS2/3-17 and GS 1/3/4/7/8-13

- User friendly operation, clear, well arranged colour display
- Menu guidance in 10 languages
- GLP-compliant
- Service offering, including IQ/OQ
- Supports ISM® technology (Intelligent Sensor Management)

Ordering information: S230-Basic includes instrument (without electrode), electrode holder, protective cover, operating instructions, quick guide, declaration of conformity and test certificate.

S230-Kit includes instrument, InLab® 731-ISM conductivity probe, guide to conductivity and dissolved oxygen, 2 calibration sachets for 1413 µS/cm and 12,88 mS/cm, electrode holder, protective cover, quick guide, declaration of conformity and test certificate.

S230-USP/EP supplied with the same items as for S230-Kit with the exception that the InLab® 741-ISM electrode replaces the InLab® 731-ISM, and without 12,88 mS/cm calibration sachets.

Model	S230
Conductivity - range	0,001 µS/cm - 1000 mS/cm
Conductivity - resolution	0,001 - 1
Conductivity - accuracy	±0,5%
Conductivity - calibration	1-point with 13 predefined calibration standards or 1 user-defined calibration standard
Resistivity - range	0,00 - 100,0 MΩ/cm
Resistivity - resolution	0,00 - 1,0 MΩ/cm
Resistivity - accuracy	±0,5%
Salinity - range	0,00 - 80,00 ppt
Salinity - resolution	0,00 - 1,0
Salinity - accuracy	±0,5%
TDS - range	0,00 mg/l - 1000 g/l
TDS - resolution	0,1 - 1
TDS - accuracy	±0,5%
Temperature range (°C)	Manual: -30,0...+130,0 Automatic: -5,0...+130,0
Temperature resolution (°C)	0,1
Temperature accuracy (°C)	±0,1
Temperature compensation	Manual / automatic
Display	TFT
Data logging - capacity	1000 measurements
Connections	Mini-DIN (conductivity and temperature sensor, combined), Mini-DIN (stirrer), mini-LTW (digital sensor)
Outputs	RS232, USB-A, USA-B
WxDxH (mm)	204x174x74
Weight (kg)	0,89
Compliance	IP 54; GLP; Pure & ultrapure water - USP/EP compliant, Bioethanol - ABNT NBR 10547:2006, Sugar analysis - ICUMSA GS2/3-17 and GS 1/3/4/7/8-13

Description	Pk	Cat. No.
SevenCompact™ S230-Basic	1	663-0179
SevenCompact™ S230-Kit	1	663-0192
SevenCompact™ S230-USP/EP	1	663-0193

Description	Material	Conductivity (mS/cm)	Cell constant	Temp. (°C)	Connection	ØxL (mm)	Pk	Cat. No.
Accessories								
InLab® 731-ISM®	Epoxy / Graphite	0,01 - 1000	0,57 cm ⁻¹	0...+100	Fixed cable (1,2 m), Mini-DIN	12x120	1	663-0176
InLab® 731-ISM®-2m	Epoxy / Graphite	0,01 - 1000	0,57 cm ⁻¹	0...+100	Fixed cable (2 m), Mini-DIN	12x120	1	663-0177
InLab® 741-ISM®	Stainless steel	0,001 - 500	0,105 cm ⁻¹	0...+100	Fixed cable (1,2 m), Mini-DIN	12x120	1	663-0178