

SevenExcellence™ Conductivity

Professional and Contemporary

SevenExcellence™ Conductivity meter is a flexible and modern meter that is suitable for professional and routine measurements alike. In addition to conductivity it also measures various other parameters such as resistivity, salinity, total dissolved solids and conductivity ash.

The instrument supports your workflow, making conductivity measurements as easy as possible. For special applications such as USP/EP and conductivity ash it guides you through the measurement steps and notifies you when a measurement is out of range.

Methods – a perfect match for conductivity



In addition to being more secure, more reproducible due to identical settings and more convenient, methods also enable you to run special applications for conductivity. These include USP/EP measurement of pure water with limits monitoring and Conductivity Ash measurements according to two ICUMSA regulations.

Pure water – high accuracy for low conductivity



Low conductivity measurement requires special attention. When measuring pure or ultra-pure water there are several sources of potential error such as carbon dioxide from air and temperature inaccuracy. Our digital conductivity cell InLab® Trace, with high temperature accuracy and optional flow through cell now provides the perfect solution.

Temperature compensation for pure water



For pure water SevenExcellence offers a special temperature compensation mode to increase the reliability of your readings. For USP/EP measurements the temperature compensation must be disabled to comply with the regulations. These settings are automatically applied when using the pre-defined USP/EP method.



Description and order information for SevenExcellence™ Conductivity

	Measuring range	Resolution	Accuracy
Conductivity*	0.001 μ S/cm ... 2000 mS/cm	0.001 ... 1	\pm 0.5%
Temperature**	-30.0 ... 130.0 °C	0.1 °C	\pm 0.1 °C

Calibration	13 pre-defined and 20 user-defined standards
Temperature compensation	Linear, non-linear, off, pure-water; reference temperature 20 °C or 25 °C
Methods	17 pre-defined and 60 user defined methods
System	Date/time, PIN-protection, user management, 10 languages
Data storage / Data export	At least 20 000 data points, 250 analyses / USB-Stick, LabX® direct PC software

*Instrument can also measure salinity, resistivity and total dissolved solids / ** Temperature choice between °C and °F

Order info	Description and sensors	Order no.
S700-Basic (instrument)	Includes instrument, conductivity expansion unit, 2 blank expansion units, uPlace™ electrode holder, semi-transparent cover, operating instructions, installation and quick guide, LabX® direct pH PC software, declaration of conformity and test certificate.	30046244
S700-Kit (kit)	As S700-Basic, but also with InLab® 731-ISM, guide to conductivity measurements and 2 calibration sachets for 1413 μ S/cm and 12.88 mS/cm.	30046245
S700-Trace (kit)	As S700-Kit but with InLab® Trace instead of InLab® 731-ISM, with Flow-Cell and without calibration sachets.	30046246

Dual channel instrument with pH/mV and conductivity expansion units (for triple channel see page 19)

S470-Basic (instrument)	As S700-Basic, but with a pH/mV expansion unit instead of a blank expansion unit.	30046252
S470-Kit (kit)	As S700-Kit, but with but with a pH/mV expansion unit instead of a blank expansion unit. Additionally with InLab® Expert Pro-ISM, guide to pH measurements and 2 buffer sachets for pH 4.01, 7.00, 9.21 and 10.00.	30046253
S470-USP/EP (kit)	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-MultiPin™ ISM-cable (1.2 m), and without 1413 μ S/cm and 12.88 mS/cm calibration sachets.	30046254



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.