1 Conductivity testers Expert CTS

For accurate measurement of conductivity, TDS, and salinity in one single instrument, making it an ideal solution for many applications.

Thermo Scientific

- Large 4 digit double line display
- Display of battery life, status and re-calibration
- Automatic temperature compensation (ATC)
- Auto conductivity buffer recognition and calibration
- Selectable TDS factor: 0.40 to 1.00
- Auto off

Specifications

Conductivity range:	0.00 … 20.00 mS/cm
Resolution:	10 µS/cm below 2.00 mS/cm, 0.10 mS/cm above 2.00 mS/cm
Accuracy:	±2 % full scale ±1 LSD
TDS range:	0 … 20000 ppm
Resolution:	10 ppm below 2000 ppm, 100 ppm above 2000 ppm
Accuracy:	±2% full scale ±1 LSD
Salinity range:	0 … 10000 ppm
Resolution:	100 ppm
Accuracy:	±2 % of full scale ±1 LSD
Calibration points:	1 per parameter
Temperature range:	0 … 50 °C
Resolution:	0.1 °C
Accuracy:	±0.5 °C + 1 digit
Operating temperature:	5 … 45 °C
Dimensions (W x L x H):	45 x 170 x 30 mm
Weight:	90 g
Power supply:	Incl. 4 batteries (A76 or LR44 equivalent)
IP code:	IP 67
Warranty:	1 year

Type	PK	Cat. No.
Expert CTS	1	6.284 906

2 Salt Meter SSX 210

For determination of the relative salt content in fluid and semi-solid food products, such as meat, cold cuts, cheese, salads etc. The measurement is performed by determination of the electrical conductivity, as it is dependent on the salt content. Easy handling, robust and impact-resistant. With 2-conductor measuring probe with gold plated electrodes and silicone cable. Case included.

ebro

Specifications

Measuring range:	0 … 100
Accuracy:	±1 digit
Resolution:	1 digit
Operating Temperature:	+10 … 40 °C
Sample Rate:	1 … 15 s, adjustable
Dimensions:	100 x 46 x 25 mm
Weight:	approx. 200 g
IP code:	IP 54
Power supply:	Lithium 3V/1Ah, Type CR2477

Type	PK	Cat. No.
Salt Meter SSX 210	1	6.228 196

E & OE.

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1 Conductivity meters Eutech™ CON6+

Thermo Scientific

Sturdy and economical, ease-of-use with high performance. The handy meter is IP54 splashproof and comes with a conductivity electrode with automatic temperature compensation function.
- 5-point-calibration with ±1% full scale accuracy
- Option of quick, easy automatic calibration or customised, near-to-sample manual calibration.
- Auto-Ranging for Conductivity/TDS measurements for fast response and best resolution over wide measurement range
- Easy-To-Read Display
- Available in kit version with plastic carrying case
- Auto off

Scope of supply: Meter with electrode, CON603+K additionally with conductivity carrying kit set (1 x 1413 µS, 12.88 mS, 84 µS KCL Standard Solutions and 1 x Deionised (Rinse) Water, 60 ml each).

Specifications

Conductivity range:	0 µS/cm to 200 mS/cm
Resolution:	0.05 % full scale
Accuracy:	±1 % of full scale ±1 LSD
Temperature range:	0.0 to 100.0 °C
Resolution:	0.1 °C
Accuracy:	±0.5 °C
Power supply:	4 x 1.5 V AAA alkaline batteries, >500 h
Dimensions (W x L x H):	85 x 157 x 42 mm
Weight:	255 g
IP code:	IP 54
Warranty:	3 years on the meter

Type	PK	Cat. No.
CON603+	1	6.281 845
CON603+K	1	6.263 037

2

Conductivity meter FiveGo™ F3

Mettler-Toledo Online

Portable conductivity meter for field work
- Measurement made easy: A large, well-structured display, intuitive button arrangement and simple menu ensure measurements can be performed in just a few clicks.
- Ergonomic design for one handed operation: Thanks to its ergonomic design, handling the FiveGo is a comfortable experience. The foldable stand provides optimal viewing on flat surfaces.
- IP67 Water and dustproof: The IP67 waterproof protection makes the FiveGo portables able to withstand wet and demanding environments.

Supplied with:
F3-Meter: Meter only
F3-Standard kit: Meter with LE703 sensor
F3-Field kit: Meter with LE703 sensor and carrying case

6.280 116

Specifications
Conductivity

Measuring range:	0.00 µS/cm … 200 mS/cm
Resolution:	automatic range
Accuracy:	±0.5% of the measured value

Temperature

Measuring range:	0 … 100 °C
Resolution:	0.1 °C
Accuracy:	±0.5 °C

TDS (Total Dissolved Solids)

Measuring range:	0.01 mg/l … 200 g/l
Resolution:	automatic range
Temperature compensation:	Linear 0.00 … 10.00 %/°C, reference temperature 20 and 25 °C
Calibration:	1 point, 3 predefined standards
Memory size:	200 measurements, current calibration
Dimensions (W x D x H):	188 x 77 x 33 mm
IP code:	IP 67 (meter + sensor)

Type	PK	Cat. No.
F3-Meter	1	6.280 115
F3-Standard kit	1	6.280 116 [2]
F3-Field kit	1	6.280 117

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Conductivity meter Seven2Go™ S3

Portable routine model for conductivity measurement *Mettler-Toledo Online*
- New, intuitive menu structure with fast and easy T-Pad navigation
- Robust design with IP67 protection for use in harsh and demanding environments
- Intelligent Sensor Management (ISM®) functionality reduces the risk of errors
- Easy 1 point calibration with option of manual cell constant entry
- 3 predefined standards and 1 user defined standard
- Automatic, manual and time dependant endpoint recording
- Data memory storage for 200 data points
- Power requirements: 4 x 1.5V AA or 1.3V NiMH accumulators

Supplied with:
S3-Meter: Includes instrument, electrode clip, operating instructions, quick guide, test certificate, declaration of conformity and batteries.
S3-Standard kit: As S3-Meter, but also with InLab 738-ISM and sachets of conductivity standards 1413 µS/cm and 12.88 mS/cm.
S3-Field kit: As S3-Standard kit, but also with bottles for calibration and uGo™ carrying case.
S3-Bioethanol kit: As S3-Field kit, but also with InLab 725 instead of InLab 738-ISM.

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6.265 248

Conductivity
Measuring range:	0.010µS/cm … 500mS/cm
Resolution:	0.001 … 1 (auto-range)
Accuracy:	±0.5%

Temperature
Measuring range:	-5.0 … +105.0°C
Resolution:	0.1°C
Accuracy:	±0.2°C

TDS (Total Dissolved Solids)
Measuring range:	0.01mg/l … 300g/l
Resolution:	0.01 … 1 (auto-range)
Accuracy:	±0.5%

Specific resistance
Measuring range:	0.01 … 100.0MΩcm

Salinity
Measuring range:	0.01 … 42psu

Type	PK	Cat. No.
S3-Meter	1	6.265 247
S3-Standard kit	1	6.265 248 **1**
S3-Field kit	1	6.265 249
S3-Bioethanol kit	1	6.265 250

2 Conductivity meter CT 830

With automatic measuring range switching. *ebro*
The meter is the ideal choice for determination of conductivity, salinity and temperature
and combines the features for mobile application in the field with the precision and comfort of a laboratory meter.
In the standard version the meter CT 830 is supplied with conuctivity sensor AT 830 C and 1.50m cable. It is ideally
suited for overall applications in the field and in laboratories. Two parallel, largely dirt-insensitive graphite electrodes,
the integrated temperature sensor for parallel temperature measurement, an automatic temperature compensation and
the wide measuring range are the benefits of the conductivity sensor.

Supplied with: Meter incl. conductivity sensor, calibration solution 0.1N/KCL 1288µs and case

2

Specifications
Measuring range
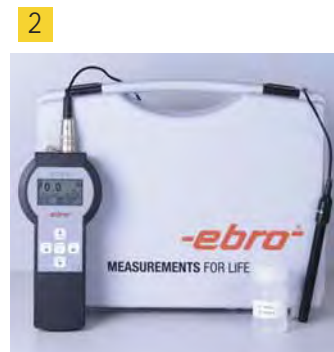|	
Conductivity:	0 to 200µS/0 to 20mS/0 to 500mS
TDS:	0 to 200mg/l/0 to 2000mg/l/0 to 20g/l/0 to 500g/l
Temperature:	-10 °C to +100 °C
Display:	128 x 64 pixel, backlighted
Interface:	USB with "Interface HMG USB", isolated
Ambient temperature:	-10 °C to +55 °C
Rel. humidity:	Max. <95% (non-condensing)
Connections:	Connector BK for sensor (4-pole USB interface socket)
Housing:	ABS
Dimensions (W x D x H):	200 x 40 x 95 mm
Batteries:	3 batteries Type AA, IEC R6, LR6, 1.5V
Protection class:	IP 65

Type	Description	PK	Cat. No.
CT 830 Set	Conductivity meter incl. conductivity sensor AT 830 C	1	6.268 947
AT 830 C	C-sensor for CT 830, 3mm	1	6.268 948

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4.678 226

Conductivity meter SD 325 CON

NEW

Lovibond®

The portable instrument with data logger is ideal for determining electrical conductivity in aqueous media. With a simple keystroke, further parameters such as TDS, salinity or resistance can be selected and conveniently read off. The selection of different measuring cells allow the determination of low (< 200 µS/cm) and very high conductivities (< 1000 mS/cm) with highest precision.
- Automatic recognition of conductivity standards
- Alarm function with adjustable limit values
- Auto hold function
- Selectable reference temperature (20 °C/25 °C)
- Automatic temperature compensation
- Battery status indicator
- Low power consumption
- Data transfer and evaluation via software possible

Scope of supply:
SD 325 CON (Set 1): Conductivity meter, protective covering, transport case, 4-pol graphite electrode (diam. 12 mm, < 200 mS/cm), conductivity standards, batteries, manual
SD 325 CON (Set 2): Conductivity meter, protective covering, transport case, 4-pol graphite electrode (diam. 16 mm, < 1000 mS/cm), conductivity standards, batteries, manual
SD 325 CON (Set 3): Conductivity meter, protective covering, transport case, 2-pol stainless steel electrode (diam. 10 mm, < 200 µS/cm, pure water), flow through cell for pure water, batteries, manual

Specifications
Conductivity:	0.000 … 1000.0 mS/cm
Temperature:	-5.0 … 100.0 °C
TDS:	0.000 … 5000 mg/l
Resistance:	0.000 … 50.0 MOhm/cm
Salinity:	0.0 … 70.0 PSU
Datalogger:	10000 Data sets automatically
	1000 Data sets manually
Interface:	USB
Dimensions (W x D x H):	100 x 164 x 37 mm
Weight:	302 g
Power supply:	2 x AAA batteries (incl.)
IP code:	IP 67

Type	PK	Cat. No.
SD 325 CON (Set 1)	1	4.678 226
SD 325 CON (Set 2)	1	4.678 227
SD 325 CON (Set 3)	1	4.678 228

Pocket conductivity meters ProfiLine

The ProfiLine hand-held conductivity meters have a waterproof (IP 67) housing and a completely sealed silicone membrane keypad with tactile feedback. A separate battery compartment allows easy exchange of standard alkaline, or rechargeable, batteries. The carefully laid out, large displays indicate the reading and other important information. The 3310 series meters have a backlit, graphics display and menu-controlled operation. A selection of application specific conductivity cells cover virtually all measurement tasks.

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3

2 **3** Conductivity meter ProfiLine Cond 3310

WTW®

Comfortable and versatile conductivity meter with integral, time controlled, data logger and 5000 GLP-compliant record memory for extended data collection. Menu controlled, with backlit, graphics display for comfortable, safe operation. Wide range of conductivity cells attachable. GLP-supporting functions, enhanced choice of cell constants, automatic and manual temperature compensation (which can be switched off) with linear and non-linear functions for pure water and natural waters acc. to EN 27888.

Specifications:
Measuring ranges/Resolution:
Conductivity:	as Cond 3110, but additionally with
	0.00µS/cm to 19.99µS/cm (when K=0.1cm^{-1})
	0.000µS/cm at 1.999µS/cm (when K=0.01 cm^{-1})
TDS:	0 to 1999mg/l, 0.0 to 199.9g/l
Spec. resistance:	0.0 to 999MΩ/cm
Memory:	5000 records (measured value, temperature, date, time, ID)

Type	Description	PK	Cat. No.
Cond 3310	meter only	1	9.774 409
Cond 3310 Set 1	case set including conductivity probe TetraCon 325 and accessories	1	9.774 400

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The inoLab® series from WTW

The inoLab® benchtops are perfectly designed for modern laboratory surroundings. The key pads are clearly outlined and easy-to-operate, their smooth surfaces are easy-to-clean and the operation is self-explanatory. All meters include a universal power supply and a convenient stand with sensor support. If desired they can be ordered in application oriented sets including sensors and accessories.

1   Laboratory instrument inoLab® Cond 7110

Modern conductivity measurement is easy to do. the inoLab® Cond 7110 has all important functions for measuring conductivity like adjustable reference temperature and different methods of temperature compensation. A big LCD segment display makes readings easy and a well-arranged keypad provides convenient operation. The automatic AutoRead function supports correct and repeatable results. Each meter come with a stand and accessories.

WTW®

Specifications

Ranges:	All values ±1 digit
Conductivity:	0.00 … 1000 mS/cm ±0.5 % of measured value
	0.00 … 19.99 µS/cm at K= 0.1 cm^{-1})
Salinity:	0.0 … 70.0 (acc. IOT)
Temperature:	-5.0 … 105.0 °C ±0.1 °C
AutoRead:	automatic
Power supply:	Universal power supply, 100V to 240V, 50/60Hz, 4 x 1.5V AA or 4 x 1.2V NiMH

Type	Description	PK	Cat. No.
Cond 7110	Meter only including accessories	1	9.920 096
Cond 7110 Set 1	Meter including TetraCon® 325 and accessories	1	9.920 097

Conductivity meter inoLab® Cond 7310

This is the inoLab® Cond 7310 or inoLab® Cond 7310P. A modern backlit graphic display with menu controlled user interface allows easy and intuitive operation. The mini USB-B interface provides fast data transfer to a PC. The internal memory can record up to 5000 GLP complying data including ID, date and time. The housing and the keypad are easy-to-clean. The inoLab® Cond 7310 has the possibility to connect different standard and special conductivity electrodes and has automatic and manual temperature compensation (can even be switched off for pure water measurements according pharmacopeia) for linear and non-linear function according EN 27 888. An integrated thermal printer (58mm width) is ready for printout of the measured data (option). The scope of delivery includes meter, stand, power supply and USB cable.

WTW®

9.920 114

9.920 117

Specifications

Ranges:	All values ±1 digit
Conductivity additional:	0.00 … 1000 mS/cm ±0.5 % of measured value
	0.000 … 1.999 µS/cm, K= 0.01 cm^{-1}
	0.00 … 19.99 µS/cm, K= 0.1 cm^{-1}
Spcific resistance:	0.00 … 20 MOhm cm
Salinity:	0.0 … 70.0 (acc. IOT)
TDS:	1 … 1999 mg/l, 0 to 199.9 g/l
Temperature:	-5.0 … 105.0°C ±0.1°C
Cell constants:	Fix 0.01 cm^{-1}, calibratable 0.450…0.500 cm^{-1}, 0.800 to 0.880 cm^{-1},
	calibratable 0.09 … 0.110 cm^{-1}, 0.250 … 25.0 cm^{-1}
Calibration:	1 point
T$_{ref}$:	20 °C/25 °C
Temperature compensation:	none, nlF, 0.000 … 10.00 %/K
Calibration memory:	Up to 10 calibrations recallable
Display:	LCD Graphic, backlit
Memory:	manual 200/5000 automatic
Logger:	manual/time controlled
Interface:	Mini USB-B
Power supply:	Universal power supply, 100V to 240V, 50/60Hz, 4 x 1.5V AA or 4 x 1.2V NiMH

Type	Description	PK	Cat. No.
Cond 7310	Meter incl. accessories	1	9.920 114
Cond 7310 Set 1	Meter incl. TetraCon® 325 and accessories	1	9.920 115
Cond 7310P	Meter with built-in printer and accessories	1	9.920 117

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6.270 549

Conductivity meter LAB 945

Due to the intuitive operation and robust aluminum housing the conductivity meter LAB 945 is perfect for training and routine purposes.

SI Analytics

- Made in Germany
- USB Interface
- Data logger (storage of up to 4000 entries: Date, time, main measured value, secondary measured value, measured temperature) with adjustable interval
- Nummerical password protection
- Selectable user language (German, English, French and Spanish)
- Configurable turn-off time
- Sturdy aluminium housing
- Graphic LCD display, backlit

Scope of supply: Stand, mains adapter, electrode as indicated and 6 ampoules with test solutions 0.01 M KCl

Specifications	Measuring range // Resolution // Accuracy
Conductivity:	0 … 200 µS/cm // 0.1µS // ±1 digit
	0 … 2000 µS/cm // 1µS // ±1 digit
	0 … 20 mS/cm // 0.01 mS // ±1 digit
	0 … 500 mS/cm // 0.1 mS // ±1 digit
TDS:	0 … 200 mg/l // 0.5 % of measured value
	0 … 2000 mg/l // 0.5 % of measured value
	0 … 20 g/l // 0.5 % of measured value
	0 … 500 g/l // 0.5 % of measured value
Temperature:	-10 to 100 °C // 0.1 °C // ±0.1 °C (50 … 50 °C)
Temperature compensation:	automatic with NTC30kOhm or fix temperature

Type	PK	Cat. No.
Lab 945 without electrode	1	6.270 549 **1**
LAB 945 Set with LF435T, 4-pole cell	1	6.281 623
LAB 945 Set with LF513T, 2-pole cell	1	6.281 624
LAB 945 Set with LF613T, 4-pole cell	1	6.281 625

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6.280 108

Conductivity meters FiveEasy™ F30/FiveEasy™ Plus FP30

FiveEasy™ and FiveEasy™ Plus benchtop meters provide high quality conductivity measurements with the simple click of a button. They are the perfect choice for reliable measurement data at a reasonable price.

Mettler-Toledo Online

- Large, easy to read and easy to understand display with all information visible at a glance
- Five self-explanatory buttons making operation simple and easy
- Fast and easy connectivity for simple and secure data transfer (FP only)
- Electrode arm extension pole included

F30/FP30-Meter: Meter with CD operating instructions, QuickGuide, declaration of conformity, test certificate and power supply
F30/FP30-Standard: as F30/FP30-Meter, plus LE703 conductivity sensor and 1 each x 1413µs/cm and 12.88mS/cm standard sachets

Specifications
Measuring range (Accuracy)

Conductivity F30/FP30:	0.01µS/cm to 200mS/cm/0.01µS/cm to 500mS/cm (±0.5 % of measured value)
TDS F30/FP30:	0.01mg/l to 200g/l/0.01mg/l to 300g/l
Temperature F30/FP30:	0 to 100°C (0.5°C)/-5 to 105°C (0.3°C)
Calibration F30:	1 point, 3 predefined standards
Calibration FP30:	1 point, 3 predefined standards, manual cell constant input
Input:	Mini-DIN
Temperature compensation:	Linear: 0.00%/°C to 10.00%/°C
Reference temperature:	20°C and 25 °C
Power supply:	100-240 V/50-60 Hz/12V DC
FP30 only:	
Salinity:	0.00 to 42psu
Memory:	200 measurements
Interface:	RS232, USB

Type	PK	Cat. No.
F30-Meter	1	6.280 107
F30-Standard Kit	1	6.280 108 **2**
FP30-Meter	1	6.280 109

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Conductivity meters SevenCompact™ S230

The colour display with its well-designed icons and menu settings in 10 languages makes *Mettler-Toledo Online* operation genuinely intuitive. Applications range from routine measurements through sample analysis, data handling and data archiving in compliance with GLP regulations. Simply innovative design that meets the requirements for a universal, easy-to-operate conductivity meter.

- User friendly instrument for demanding users
- Security and high reproducibility thanks to Intelligent Sensor Management (ISM®)
- Improved quality of measurements through professional calibration support
- Comprehensive service package including IQ/OQ
- Integrated USB and RS232 interfaces for data exchange

Supplied with:
S230-Basic: Instrument, electrode holder, protective cover, operating instructions, quick guide, declaration of conformity and test certificate
S230-Kit: As per S230-Basic, additionally with InLab® 731-ISM, guide to conductivity measurements and 2 calibraton sachets for 1413µS/cm and 12.88mS/cm.
S230-USP/EP: As per S230-Kit, but with InLab® 741-ISM instead of InLab® 731-ISM and without calibration sachets for 12.88mS/cm.

9.704 165

Specifications:

Calibration:	13 pre-defined and 1 user-defined standard
Conductivity range:	0.001µS/cm to 1000mS/cm, autoscaling
Conductivity accuracy:	±0.5%
Salinity range:	0.00 to 80.00psu
TDS range:	0.00mg/L to 1000g/L, autoscaling
Resistivity range:	0.00 to 100MOhm*cm, autoscaling
Conductivity ash range:	0.000 to 2022%, autoscaling
Temperature range	
MTC:	-30.0 to 130.0°C
ATC:	-5.0 to 130.0°C
Temperature accuracy:	±0.1°C
Display:	4.3 inch, TFT color
Ext. power supply:	9-12V/10W

Type	PK	Cat. No.
S230-Basic	1	9.704 164
S230-Kit	1	9.704 165 [1]
S230-USP/EP	1	9.704 166

Printers for Mettler Toledo instruments

Suitable for the following Mettler Toledo instruments: *Mettler-Toledo Online*

RS-P25, RS-P26, RS-P28: SevenExcellence™, SevenCompact™, FiveEasy Plus™, SevenMulti™
RS-P25/USB-P25: SevenExcellence™
RS-P26, RS-P28: SevenGo pro™, SevenGo pro Duo™, Densito, Refracto, SevenEasy™

Supplied with: Printer, power cable (country specific), interface cable, paper roll (1 pcs), ribbon cartridge (1 pcs)

Features	For model
Built-in real-time clock, Zero/Tare key:	RS-P26, RS-P28
Statistic application, totalling application:	RS-P28
RS232 Schnittstelle:	RS-P25, RS-P26, RS-P28
Printer unit:	Dot matrix printer
Ribbon cartridge:	Exchangeable, black ink
Paper roll:	Standard paper 57.5 mm (W), max. Ø 60 mm
Print quality:	Thermally stable and lightfast paper (GxP)
Interface:	RS232C, 9pin male connector or USB* (*SevenExcellence ONLY)
Dimensions (W x D x H):	120 x 203 x 73mm
Net weight:	740g (paper roll included)

6.252 178

9.773 710

Type	PK	Cat. No.
RS-P25/USB-P25	1	6.252 178 [2]
RS-P26	1	6.251 155
RS-P28	1	9.773 710 [3]

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1 2 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.

Mettler-Toledo Online

- 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)

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 and test certificate.
S470-Kit: As S470-Basic but with InLab® Expert Pro-ISM, guide to pH measurements and 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-MultiPin™ ISM-cable (1.2 m), and without 1413 µS/cm and 12.88 mS/cm calibration sachets.

Specifications	Measuring range // Resolution // Accuracy
Temperature 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
Conductivity:	0.001 to 999999 µS/cm // 0.001 to 1 // ±0.5%
	0.001 to 2000 mS/cm // 0.001 to 1 // ±0.5%
	0.001 to 200 S/m // 0.0001 to 1 // ±0.5%
	0.001 to 200000 mS/m // 0.0001 to 1 // ±0.5%
	0.1 to 999999 µS/m // 0.001 to 1 // ±0.5%
TDS:	0.001 to 1000 g/L , ppt // 0.001 to 1 // ±0.5%
	0.001 to 999999 mg/L , ppm // 0.001 to 1 // ±0.5%
Salinity:	0.01 to 80.0 psu , ppt // 0.01 to 0.1 // ±0.5%
Resistivity:	0.01 to 100.0 MΩxcm // 0.0001 to 1 // ±0.5%
	0.01 to 999999 Ωxcm // 0.01 to 1 // ±0.5%
Conductivity Ash:	0.000 to 2022% // 0.001 to 1 // ±0.5%

Type	PK	Cat. No.
S470-Basic	1	9.704 361
S470-Kit	1	9.704 362
S470-USP/EP	1	9.704 363

E & OE.

Conductivity cell probes

Standard conductivity cell probe TetraCon® 325:   *WTW®*
4-pole cell with integral temperature sensor. Cable length 1.5 metres. Measuring range: 1µS/cm to 2S/cm.
TetraCon® 325-3:
Like TetraCon® 325, but cable length 3 m

Special conductivity cell probe TetraCon® 325/C:
As TetraCon® 325, 4-pole cell with integral temperature sensor, but with sensor head made of chemically resistant PEEK. Cable length 1.5 metres.
Measuring range: 1µS/cm to 2S/cm

Ultra-pure water conductivity cell probe LR 325/01:
With integral temperature sensor and flowthrough vessel D 01/T for measuring very low conductivity ranges (<1 µS/cm) e.g. boiler feed water or deionised water. Cable length 1.5 metres. Min./max. insertion depth 35/110mm and flowthrough, measuring range: 0.001µS/cm to 200µS/cm.

Conductivity flowthrough cell TetraCon® DU/T:
4-pole conductivity cell with integral temperature sensor for standard applications. Connection via 10mm diameter tubing nozzles
(the adapter cable KKDU with 1 metre cable is required for connection). Filling volume 7ml. Measuring range: 1µS/cm to 1000µS/cm.

IDS conductivity cell probe TetraCon® 925:
Intelligent digital 4-pole cell with integral temperature sensor. Automatical transfer of the cell constant. For connection to WTW IDS measuring instruments. Cable length 1.5 metres. Measuring range: 1µS/cm to 2S/cm.
TetraCon® 925-3:
Like TetraCon® 925, but cable length 3 m

IDS conductivity cell probe TetraCon® 925/LV:
Intelligent digital 4-pole cell with integral temperature sensor. Fork design, suitable for small volumes (at least 2.5ml) as well as for viscous samples. Automatical transfer of the cell constant. For connection to WTW IDS measuring instruments. Cable length 1.5 metres. Measuring range: 1µS/cm to 2S/cm.

IDS conductivity cell probe LR 925/01:
Intelligent digital 2-pole cell with integral temperature sensor and flowthrough cell D 01/T for measuring of low conductivity values (<1µS/cm) e.g. in boiler feed water or ion exchange water. Automatical transfer of the cell constant. Cable length 1.5 metres. Min./max. immersion depth 35/110mm and flow through measurement. Measuring range: 0.01µS/cm to 200µS/cm.

Type	Length mm	Electrode	Shaft	Cell constant	PK	Cat. No.
TetraCon® 325	120	Graphite	Epoxy resin	K =0.475	1	9.704 081 [1]
TetraCon® 325/C	120	Graphite	Epoxy resin	K =0.475	1	6.229 561
TetraCon® 325-3	120	Graphite	Epoxy resin	K =0.475	1	7.008 434
LR 325/01	121	V4A steel	V4A steel	K = 0.1	1	9.704 083
LR 925/01	120	V4A steel	V4A steel	K = 0.1	1	7.656 781 [2]
TetraCon® DU/T	155	Graphite	Epoxy resin	K approx. 0.8	1	9.704 078 [3]
TetraCon® 925	120	Graphite	Epoxy resin	K =0.475	1	7.653 077 [4]
TetraCon® 925-3	120	Graphite	Epoxy resin	K =0.475	1	6.239 576
TetraCon® 925/LV	120	Graphite	Epoxy resin	K = 0.469	1	6.269 370
KKDU 325	100	Connection cable	-	-	1	9.704 079

[1]
9.704 081

[2]
7.656 781

[3]
9.704 078

[4]
7.653 077

[5] Conductivity measuring cell LF413TIDS

For versatile applications. IDS® 4-pole cell, plastic shaft, 1.5m cable with digital plug,   *SI Analytics*
sensor material graphite, temperature sensor NTC 30 kOhm.

Specifications
Temperature range:	-5 to +80°C
Conductivity range:	1µS/cm to 2000mS/cm
Taper length/Dia.:	120mm/15.3mm

Type	Length mm	Electrode	Shaft	Cell constant	PK	Cat. No.
LF413TIDS	120	Graphite	Plastic	K=0.475	1	6.265 636

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Conductivity sensors InLab® for Mettler Toledo conductivity meters

Mettler-Toledo Online

710: 4 platinum poles
720 + 751-4 + 752-6: 2 platinum poles
731 + 738: 4 graphite poles
741 + 742: 2 steel poles
ISM® (Intelligent Sensor Management) is a sophisticated safety concept that leaves nothing to chance. The instrument automatically detects the connected sensor and uses the most up-to-date calibration data stored on the sensor chip.

All Conductivity sensors with integrated probe sensor (NTC 30 kΩ), shaft length 120 mm, schaft diameter 12, only type 751-4 has diam. 4 mm and 752-6 diam. 6 mm.

Type	Measuring range	Cell constant	Material shaft	Cable m	PK	Cat. No.
710	0,01 ... 500 mS/cm	0,80	Glass	1.2 Mini-DIN	1	9.041 443 [1]
720	0,1 ... 500 µS/cm	0,06	Glass	1.2 Mini-DIN	1	9.041 446
731	0,01 ... 1000 mS/cm	0,57	Graphite	1.2 Mini-DIN	1	9.041 447
731-ISM	0,01 ... 1000 mS/cm	0,57	Graphite	1.2 Mini-DIN	1	9.041 448
731-2m ISM	0,01 ... 1000 mS/cm	0,57	Graphite	2.0 Mini-DIN	1	9.041 449
738-ISM	0,01 ... 1000 mS/cm	0,57	Epoxy	1.8	1	7.626 197
738	0,01 ... 1000 mS/cm	0,57	Epoxy	1.8	1	7.636 591
738-ISM	0,01 ... 1000 mS/cm	0,57	Epoxy	10.0	1	9.041 519
741	0,1 ... 500 µS/cm	0,105	Stainless steel	1.2 Mini-DIN	6	6.242 844
741-ISM	0,1 ... 500 µS/cm	0,105	Stainless steel	1.2 Mini-DIN	1	9.041 442 [2]
742	0,001 ... 500 µS/cm	0,105	Stainless steel	1.8	1	9.041 524
751-4	0,01 ... 100 mS/cm	1,0	Glass	1.2 Mini-DIN	1	9.041 475
752-6	0,01 ... 112 mS/cm	1,0	Glass	1.2 Mini-DIN	1	9.041 476 [3]

9.041 443

9.041 442

9.041 476

6.230 491

Conductivity sensors for Eutech™ conductivity meters

Thermo Scientific

2-pole cells made of PP and ultem plastic with stainless steel rings.

CONSEN91B: Ag/AgCl reference system, sealed.
Used with COND 6+/TDS 6+/Salt 6+
CONSEN91W: Ag/AgCl reference system, refillable.
Used with CON 510/CON 400 /CON 410/PC 300/PC 510/CON 11/CON 110
CONSEN9103J: Ag/AgCl reference system, refillable.
Used with COND 610/COND 600/CD 650/PC 650/PCD 650

Specifications
Measuring range:	0 ... 150 mS
Temperature range:	0 ... 80 °C
Cell constant:	K = 1.0
Temperature compensation:	ATC
Length/diam.:	144 x 16 mm

Type	Connector	Sensor type	Cable m	PK	Cat. No.
CONSEN91B	BNC, phono	Platin pin	1	1	6.230 491 [4]
CONSEN91W	6-pin	Plating band	1	1	6.205 314
CONSEN9103J	8-pin	Plating pin	3	1	6.281 895

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1 LLG-Conductivity Solutions

- Values stated at 25°C: Accuracy ±1%
- Directly traceable to NIST
- Certificate including actual value, expiration date and uncertainty of measurement

Type	Capacity ml	PK	Cat. No.
84 µS/cm	500	1	9.040 861
147 µS/cm	500	1	9.040 862
1.413 µS/cm	500	1	9.040 863
12.880 µS/cm	500	1	9.040 864

2 Conductivity Standards

Reagecon

Conductivity standards tested and ISO 17025 certified at 25 °C. Uncertainty of measurement of ±1%. Directly traceable to N.I.S.T. Temperature dependence data is printed on the label as are lot numbers and expiry dates. Supplied in 500 ml HDPE bottle. 1.3 µS/cm in 250 ml bottle. Calibration values 84, 147, 1413, 12880 µS/cm. Control Values 1.3 - 350000 µS/cm.

Type µS/cm	Capacity ml	PK	Cat. No.
1,3*	250	1	6.225 059
5	500	1	6.901 629
10	500	1	6.901 622
20	500	1	6.802 901
23,8	500	1	6.259 883
50	500	1	6.074 754
84	500	1	9.040 904
100	500	1	6.234 859
147	500	1	9.040 905
200	500	1	6.802 902
500	500	1	6.205 415
1000	500	1	6.901 670
1413	500	1	9.040 906
3000	500	1	9.040 964
5000	500	1	6.205 412
10000	500	1	6.901 671
12880	500	1	9.040 907
50000	500	1	6.210 129
100000	500	1	6.205 413
350000	500	1	9.040 987

*1.25 - 1.35 µS/cm at 25 °C.

3 Calibration and test material for conductivity measurements

WTW®

Test resistors and calibration solutions to test the meters with conductivity function as well as to calibrate the system from the device and conductivity measuring cell

- Optimal measuring safety by PTB/NIST traceable standard solutions
- Easy device check by highly precise test resistors
- Pharmacopeia conforming test kits

Type	Description	PK	Cat. No.
USP KIT 2	Kit according to pharmacopeia: LR 325/01 with stainless steel flow vessel, test resistor set, calibration standard 5 µS/cm	1	6.227 656
USP KIT 1	Kit according to pharmacopeia: LR 325/01 with glass flow vessel, test resistor set, calibration standard 5 µS/cm	1	6.093 356
E-SET Trace	Test and calibration standard 1413 µS/cm at 25 °C	1	9.704 137
KS 100 µS	Test and calibration standard 100 µS/cm at 25 °C	1	6.801 249
KS 5 µS	Test and calibration standard 5 µS/cm at 25 °C	1	6.222 865
6R/SET/LAB1	Precision resistor set with calibration certificate	1	7.085 924