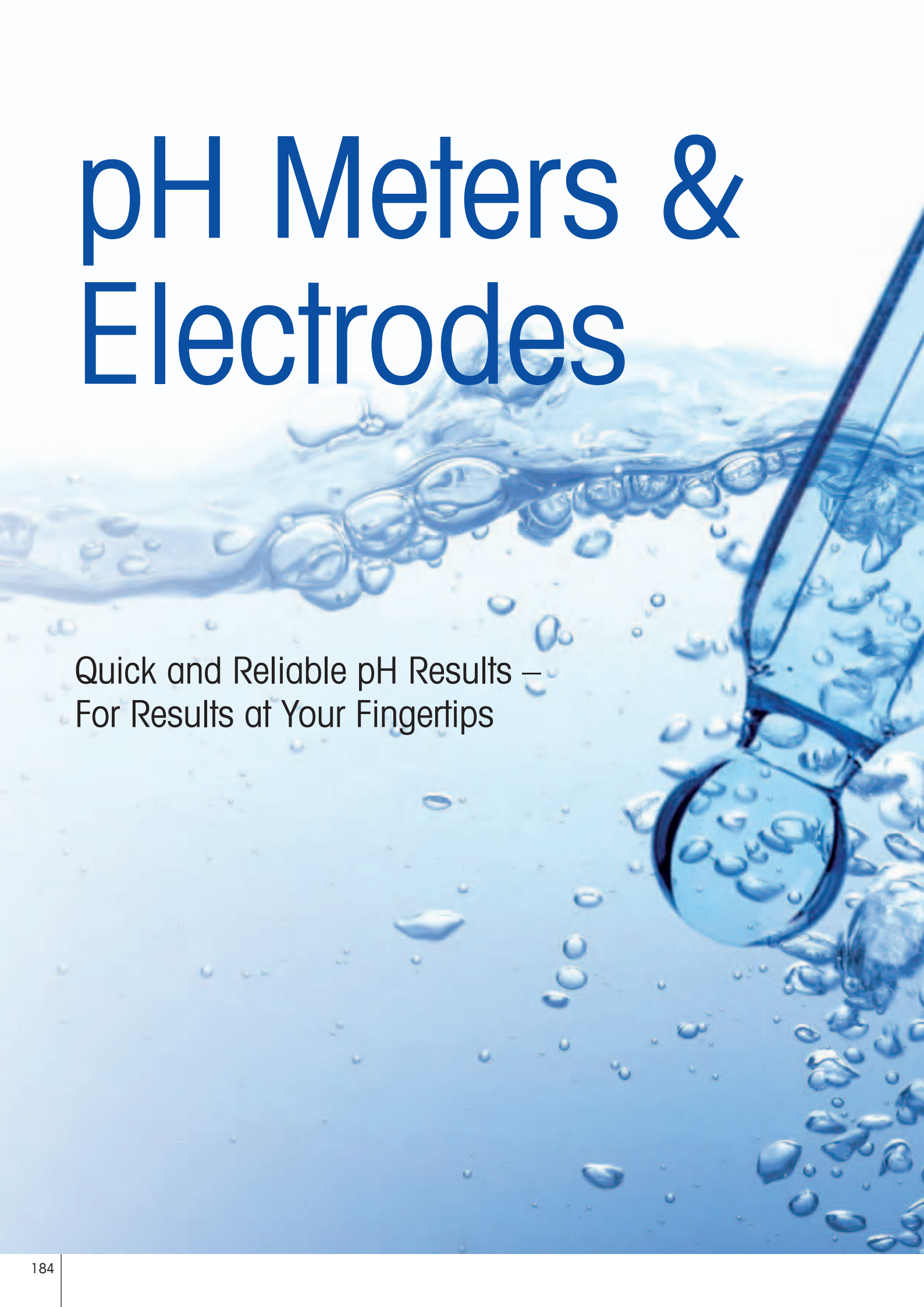


pH Meters & Electrodes

The background of the slide is a close-up, high-speed photograph of water. Numerous clear, spherical bubbles of various sizes are rising and floating in the water, creating a dynamic and textured appearance. On the right side of the image, a glass pH electrode is partially submerged, its tip pointing downwards into the water. The lighting is bright, highlighting the refractive properties of the water and the bubbles.

Quick and Reliable pH Results –
For Results at Your Fingertips



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Quick and Reliable Measurements For Results at Your Fingertips



Over 60 years of sensor innovation combined with cleverly designed instruments have resulted in a product range of unparalleled quality and flexibility. Whatever you need to measure, be it pH, ORP, ion concentration, conductivity or dissolved oxygen, METTLER TOLEDO with its long-term experience provides you with the electrochemical equipment you need.

Our focus lies on simple, intuitive operation and ergonomic design. The comprehensive product portfolio covers the most varied electrochemical applications in all sectors. We offer solutions both for complex applications subject to regulatory control as well as for simple routine measurements.

Select the Right Equipment for pH, ORP, Ion, Conductivity or Dissolved Oxygen Measurement

Premium bench-top series Seven

Seven is your flexible, reliable and easy to use lab tool. The heart of a Seven laboratory instrument is precision measuring technology.



SevenMulti™ and SevenCompact™

Premium portable series SevenGo™

These hand-held meters provide optimum convenience and high performance during mobile work, on the factory floor or out in the field.



SevenGo™ and SevenGo Duo™

Entry-level meter series Five

Five is the clever introduction to pH, conductivity or oxygen – ideal for those who have a limited budget but still require a reliable meter.



FiveEasy™ and FiveGo™

Sensors and Solutions

These sensors combine innovative technologies and glassblowing tradition for fast pH, ORP, ion-selective, conductivity and DO analysis.



InLab® Sensors and Solutions

SevenMulti™

Maximum Precision and Flexibility

SevenMulti™ is the perfect choice for applications where maximum measurement accuracy is required. The dual-channel instrument supports the measurement of two electrochemical parameters simultaneously and can be expanded by additional modules. It meets the latest requirements for quality control, data management and legal GLP regulations. The self-explanatory user interface allows intuitive operation at all stages.

Modularity

SevenMulti™ offers the highest possible degree of flexibility. You can expand the instrument at any time with additional measurement parameters such as pH, conductivity, ISFET or ion.



Large display for easy operation

The high-resolution, backlit display screen presents all your important information, whether in single- or dual-channel mode. The instrument is intuitive and easy to use.



Secure data management

SevenMulti™ guarantees the very fast access to current results and calibration data. Saving, logging in, retrieval and PIN-protected deletion of measurement and calibration data have never been easier.



Calibration reminder

This useful function reminds you that a calibration is due after a user-defined time interval. In addition, it is possible to block the instrument from taking measurements once this period has expired until the next calibration has successfully been performed.



Peripheral options

These range from printers, sample changers and barcode readers to software for automated data collection with the capability to integrate data into laboratory information management systems (LIMS).



For more information

► www.mt.com/pH

SevenMulti™ S47-K

Model	Parameters	Measuring range	Resolution & accuracy	InLab® sensor	Channels	Part No
S40	pH/mV/redox/°C	-2.000...19.999 pH; -30.0...130.0 °C	pH: 0.001/0.01/0.1; ± 0.002 mV: 01; ± 0.1	none	1	51302807
S40-K				Expert Pro		51302808
S40-KS				Routine Pro		51302864
S50	Ion/pH/mV/redox/°C	1.00E-9 – 9.99E+9 conc; -2.000...19.999 pH	Ion: ± last significant digit pH: 0.001/0.01/0.1; ± 0.002	none	1	51302867
S50-K				Expert Pro		51302868
S70	Cond./TDS/salinity/ resistivity/°C	0.001 µS/cm...1000 mS/cm; -30.0...130.0 °C	0.001 ... 1; ± 0.5%	none	1	51302809
S70-K				731		51302810
S47	pH/mV/cond./°C/TDS/ salinity/resistivity	see S40 and S70	see S40 and S70	none	2	51302813
S47-K				Expert Pro and 731		51302814
S47-KS				Routine Pro and 731		51302865
S47-USP/EP				Pure Pro and 741		51302869
S80	Ion/pH/mV/redox/°C	1.00E-9 – 9.99E+9 conc; -2.000...19.999 pH; -30.0...130.0 °C	Ion: ± last significant digit pH: 0.001/0.01/0.1; ± 0.002	none	2	51302811
S80-K				Expert Pro		51302812
S80-KS				Routine Pro		51302866

SevenMulti™

pH, conductivity, ion and ISFET meters

- GLP compliant
- USP/EP compliance (conductivity meter)¹⁾
- Upgradeable at any time
- Secure data management
- Smart help menu
- Auto buffer recognition
- Stand-alone electrode arm
- RS232C interface to connect to PC/printer
- Powerful memory, 1000 readings
- Alphanumeric keypad
- LabX direct pH included

¹⁾ Compliance with the latest USP/EP standards for ultrapure water

Upgrade expansion units* (Must have SevenMulti meter before purchasing extra units)

pH	pH/mV/redox/°C	-2.000...19.999 pH, ±1999.9 mV, Err. limit ±0.002	51302821
Cond	Cond./TDS/sal/resist/°C	0.001 µS...1000 mS/cm, 0.1 mg/L...1000 g/L	51302822
pH/Ion	pH/mV/ion/redox/°C	1.00E ⁻⁹ ... -9.99E ⁺⁹ conc, -2.000...19.999 pH	51302823
ISFET	pH/mV/°C	0.00...14.00 pH	51302824

Accessories for SevenMulti™

RS-P42 printer – alphanumeric (dot matrix)	SevenEasy™ and SevenMulti™	00229265
Cable – to connect RS-P42 printer/PC to Seven meter	SevenEasy™ and SevenMulti™	51302125
LabX direct pH PC Software	SevenEasy™, SevenMulti™ and SevenGo pro™	51302876
Protective cover	SevenMulti™ only	51302819
Electrode arm – complete	SevenEasy™ and SevenMulti™	51302820
USB Com module	SevenMulti™ only	51302826

Non kit versions include:

Meter, electrode arm, in-use cover, calibration certificate, declaration of conformity; N.B. Electrode NOT included

Kit (K/KS, USP/EP) versions include:

As above plus appropriate electrode, buffer sachets and guides

SevenCompact™

Universal and Reliable Instruments

The SevenCompact™ series combines precise electrochemical measurement technologies with flexibility, innovative design and ease-of-use. It can be universally employed and continues the tradition of the Seven series from METTLER TOLEDO.

Large customizable color display

The 4.3 inch high-resolution color display has large digits and well arranged icons making relevant information identifiable at a glance. The color and contrast can be adapted to your preferences and light conditions.



uFocus™ on the essentials

The instrument gives you the choice! In the normal screen layout, all available information is visible. By switching to the uFocus™ view you will not be distracted by information of less importance.



uPlace™ the sensor perfectly

The uPlace™ electrode arm can be operated with one hand, moving straight up and down bringing the electrode into the position where it works best for your sample.

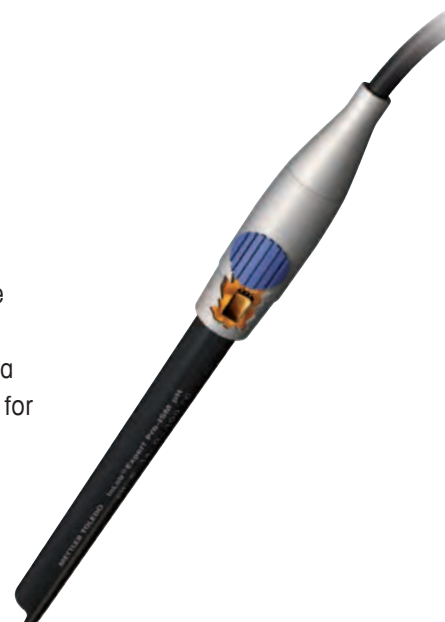


Total Flexibility with Data Processing

Upon endpointing SevenCompact™ allows multiple archiving options: the data can be stored, printed or transferred to LabX direct. Any combination of these three options is possible giving you total flexibility.

Intelligent Sensor Management for highest security

Upon connection of an ISM sensor, the sensor's ID is automatically identified. The most recent sensor calibration data is transferred to the meter and is used for subsequent measurements.





See SevenCompact in action

► www.mt.com/sevencompact

SevenCompact™ S230-Kit

Model	Parameters	Measuring range	Resolution & accuracy	InLab® sensor	Part No
S220-Basic (Instrument)	pH/mV*/Redox/Ion concentration**/°C***	-2.000...20.000 pH -2000.0...2000.0 mV 1.00E ⁻⁹ ...9.99E ⁻⁹ -30.0...130.0 °C	pH: 0.001/0.01/0.1; ±0.002 mV: 0.1/1; ±0.2 Ions: last signifi.digit; ±0.5% °C: 0.1; ±0.1	none	30019028
S220-Kit				Expert Pro-ISM	30019029
S220-Bio				Routine Pro-ISM	30019031
S220-U				Versatile Pro	30019032
S230-Basic (Instrument)	Cond./TDS/Salinity/Resistivity/°C	0.001 µS/cm...1000 mS/cm -30.0...130.0 °C	0.001...1; ±0.5% 0.1 °C; ±0.1 °C"	none	30019033
S230-Kit				731-ISM	30019034
S230-USP/EP				741-ISM	30019035

* Instrument can also measure rel. mV

** Ion concentration supports units mmol/L, mol/L, ppm, mg/L, % and pX

*** Temperature display choice between °C and °F. ATC temperature range is -5.0... 130.0 °C

SevenCompact™

Seven good reasons for SevenCompact™

- **Top sensors** – fast and accurate measurements
- **Menu guidance in 10 languages** – user-friendly operation
- **Clear, well arranged color display** – quick to learn
- **Many printing and data storage options** – GLP compliant
- **Professional peripheral options** – highly efficient
- **Intelligent sensors** – peace of mind
- **Full fledged service offering** – high uptime and compliance

General accessories for SevenCompact™

Description	Part No
uPlace™: Electrode holder (included in standard delivery)	30019823
Protective cover (included in standard delivery)	30019824
Mains adapter 12V (included in standard delivery)	11120270
RS-P25 printer (with RS232 cable)	11124300
Barcode reader body	21901297
USB cable for barcode reader (not included with barcode reader body)	21901309
LabX direct PC software	51302876
USB A-B cable 1.8m for LabX direct PC software (not included with LabX direct PC software)	51191926
Guide to pH measurement (included in kit versions)	51300058

Non kit versions include:

Meter, electrode arm, in-use cover, calibration certificate, declaration of conformity; N.B. Electrode NOT included

Kit (K/KS, USP/EP) versions include:

As above plus appropriate electrode, buffer sachets and guides

SevenGo™ and SevenGo Duo™

For Results at Your Fingertips

All of the products in the SevenGo™ family from METTLER TOLEDO are characterized by user-friendliness and excellent ergonomics. The instruments are suited for mobile measurements both in the field and in the production environment.

SevenGo™



SevenGo™ – For quick and reliable measurements

Routine single-channel instruments for the measurement of pH/mV or conductivity. Including data storage for 30 GLP records the SevenGo instruments offer an excellent price/performance ratio.

SevenGo pro™ – For precise measurements

Professional single-channel instruments for the measurement of pH/mV/ions, conductivity or dissolved oxygen. Easy data handling thanks to data storage for 200 GLP data records and a contact-free infrared communication.

SevenGo Duo™



SevenGo Duo™ – Dual-channel measurements with ISM®

Routine dual-channel instruments for the parallel measurement of pH/mV and conductivity. Reliable in operation thanks to Intelligent Sensor Management (ISM®) and a data storage for 99 GLP data records.

SevenGo Duo pro™ – Unlimited measurement possibilities with ISM®

Dual-channel instruments to meet the highest demands for the parallel determination of pH/mV/ion and conductivity or dissolved oxygen. Modern data management with 500 GLP data records, contact-free infrared communication as well as the revolutionary Intelligent Sensor Management (ISM®).



Intelligent Sensor Management (ISM®) – security at its finest!

ISM® eliminates mistakes in the following ways:

Correct sensor identification:

Upon connection, the sensor is automatically identified. This prevents performing a measurement with the wrong sensor ID by mistake.

Current calibration:

The most recent sensor calibration is transferred to the meter on attachment and is selected for future measurements automatically.



Totally Waterproof by Design

What is IP67? The IP (Ingress Protection) standard consists of two digits: 6 means that SevenGo™ is completely dustproof; 7 means that SevenGo™ remains watertight for 30 minutes at a depth of 1 meter.



Rubber holster

This practical cover provides optimum impact protection for the device. You can naturally still attach the electrode clip and change the batteries without needing to remove the protective rubber-elastic cover.



Transport protection and workplace

The SevenGo™ cases for the field kit (FK) and assistant kit (ASK) provide lots of space for all important accessories such as cables and electrodes. Choose the case that suits your requirements.

Overview of functions and features

Overview of functions and features	SevenGo™ models					SevenGo pro™ models				
	SG2	SG3	SG23	SG6	SG7	SG8	SG9	SG68	SG78	SG98
Model										
pH measurement	•		•			•		•	•	•
mV measurement	•		•			•		•	•	•
Relative mV						•		•	•	•
Concentration (ISE)						•		•	•	•
Conductivity		•	•		•				•	
TDS		•	•		•				•	
Resistivity		•	•		•				•	
Salinity		•	•		•				•	
Dissolved oxygen				•			•	•		•
Barometric pressure				•			•	•		•
Temperature	•	•	•	•	•	•	•	•	•	•
Cond.: Linear temp. compensation		•	•		•				•	
Cond.: Non-linear temp. compensation					•				•	
Calibration points	3	1	3	2	1	5	2	5	5	5
Buffer groups	4		4			6		6	6	6
User-defined standards	•		•		•	•		•	•	
Manual entry of the cell constant					•				•	
Automatic and manual measurement value determination	•	•	•	•	•	•	•	•	•	•
Time interval measurement				•	•	•	•	•	•	•
Display illumination				•	•	•	•	•	•	•
Infrared interface				•	•	•	•	•	•	•
Routine and expert modes				•	•	•	•	•	•	•
Menu guidance using softkeys				•	•	•	•	•	•	•
GLP data memory	30	30	99	200	200	200	500	500	500	500
Watertight according to IP67	•	•	•	•	•	•	•	•	•	•
Power: 4 AA batteries or 4 NiMH	•	•	•	•	•	•	•	•	•	•

SevenGo™ instrument models

SG2 – pH

pH meter (IP67) for routine use

- Clear display of measured values and settings
- Continuous indication of electrode and battery status
- Automatic endpoint and buffer recognition as well as temperature compensation
- 3-point calibration with predefined or user-defined buffers

SG2	Measuring range	Resolution	Accuracy
pH	0.00...14.00	0.01	±0.01
mV	–1999...1999	1	±1
Temperature	–5.0...105 °C	0.1 °C	±0.5 °C

Kit	Description and sensor	Order No.
SG2-B	Meter only	51302521
SG2-ELK	Electrode kit with InLab®413 SG (IP67)	51302522
SG2-FK	Field kit with InLab®413 SG (IP67), field carry case	51302523
SG2-Food Kit;	Field kit with InLab® Solids Pro IP67	51302529

SG3 – conductivity

Conductivity meter for everyday work

- Automatic endpoint recognition and temperature compensation
- Predefined standards 84 µS/cm, 1413 µS/cm or 12.88 mS/cm
- Clear display of measured value and settings
- Complete range of electrodes

SG3	Measuring range	Resolution	Accuracy
Conductivity	0.10 µS/cm... 500 mS/cm	0.10...1	±0.5%
Temperature	5.0...105 °C	0.1 °C	±0.2 °C
TDS	0.01 mg/L...300 g/L	0.01...1	±0.5%
Resistivity	0.00...100.00 MΩcm		
Salinity	0.00...80.00 ppt		
Sensor inputs	LTW 7 pin (IP67)		

Kit	Description and sensor	Order No.
SG3-ELK	Electrode kit with InLab®738 (IP67)	51302531
SG3-FK2	Field kit with InLab®738 (IP67), 1.8 m cable, field carry case	51302532
SG3-FK10	Field kit with InLab®738–10 m (IP67), 10 m cable, field carry case	51302533

SevenGo pro™ instrument models

SG6 – dissolved oxygen

Professional oxygen instrument (IP67)

- Manual or automatic air pressure compensation with built-in barometer
- High-performance O₂ sensor
- Comprehensive range of accessories
- Backlit display (applies to all SevenGo pro™ models)

SG6	Measuring range	Resolution	Accuracy
Saturation	0.0...600%	0.1...1	±0.5%
Temperature (°C/°F)	0.0...60 °C	0.1 °C	±0.1 °C
mg/L, ppm	0.00...99.00	0.01	±0.5%, max. 0.03
Pressure	500...1100 mbar	1	±2

Kit	Description and sensor	Order No.
SG6-ELK	Electrode kit with InLab®605 (IP67)	51302561
SG6-FK2	Field kit with InLab®605 (IP67), 1.8 m cable, field carry case	51302562
SG6-FK10	Field kit with InLab®605–10 m (IP67), 10 m cable, field carry case	51302563

SG7 – conductivity

Professional conductivity meter (IP67)

- Calibration also with user-definable standard or cell constant
- Linear and non-linear temperature compensation
- Measurement of purified water according to USP
- Comprehensive GLP functions with sensor and sample identification

SG7	Measuring range	Resolution	Accuracy
Conductivity	0.01 µS/cm... 1000 mS/cm	0.01	±0.5%
Temperature (°C/°F)	–5.0...105 °C	0.1 °C	±0.5 °C
TDS	0.01 mg/L...600 g/L	0.01	±0.5%
Resistivity	0.00...100.00 MΩcm		
Salinity	0.00...80.00 ppt		

Kit	Description and sensor	Order No.
SG7-ELK	Electrode kit with InLab®738 (IP67)	51302571
SG7-FK2	Field kit with InLab®738 (IP67), 1.8 m cable, field carry case	51302572
SG7-FK10	Field kit with InLab®738–10 m (IP67), 10 m cable, field carry case	51302573
SG7-USP/EP	Electrode kit with InLab®742 (IP67)	51302575

SG8 – pH/Ion

pH/Ion meter (IP67) for highest demands

- Simple ion concentration determination
- Time interval measurement with automatic data logging
- Data memory for 200 GLP data points
- Segmented or linear calibration as desired
- 5-point calibration with choice of 6 predefined and one user-defined buffer set

SG8	Measuring range	Resolution	Accuracy
pH	–2.000...19.999	0.001	±0.002
mV (rel. mV)	–1999...1999	0.1	±0.1
Temperature (°C/°F)	–5.0...130.0 ATC 30.0...130.0 MTC	0.1 °C	±0.2 °C

Kit	Description and sensor	Order No.
SG8-B	Meter only	51202581
SG8-ELK	Electrode kit with InLab®413 SG (IP67), field carry case	51202582
SG2-FK	Field kit with InLab®413 SG (IP67), field carry case	51202583

SG9 – optical dissolved oxygen

Professional oxygen instrument (IP67)

- Optical RDO technology for fast results
- High-performance OptiOx sensor and accessories
- Intuitive, user-friendly operation thanks to 10-language menu
- Extra reliability due to intelligent sensor management (ISM)

SG9	Measuring range	Resolution	Accuracy
Saturation	0...500%	0.1	±0.002
Temperature DO	0...50.0 °C	0.1 °C	±0.1 °C
mg/L, ppm	0.00...50.00	0.01	±0.1 mg/L from 0 to 8 ±0.2 mg/L from 8 to 20 ±10% from 20...50
Pressure	500...1100 mbar	1	±1

Kit	Description and sensor	Order No.
SG9-B	Instrument only	51302591
SG9-ELK	Electrode kit with InLab OptiOx (IP67, 1.8 m cable)	51302592
SG9-FK2	Field kit with InLab OptiOx (IP67, 1.8 m cable)	51302593
SG9-FK5	Field kit with InLab OptiOx (IP67, 5 m cable)	51302594

for all SevenGo™ and SevenGo pro™ models:

Outputs (not for SG2 or SG3)	IR interface to printer or PC via RS232 or USB
Power requirements	4 AA batteries 1.5 V or NiMH accumulators 1.3 V
Ambient conditions	–5 °C...40 °C, 5%...80% rel. humidity (non-cond.)
Size/weight	220x90x45 mm/325 g (without batteries)

SevenGo Duo™ instrument models

SG23

pH/conductivity meter (IP67) for routine use

- Dual-channel measuring instrument for determining pH, mV, conductivity, TDS (Total Dissolved Solids), salinity, and specific resistance
- 3-point pH calibration with predefined or user-defined buffers
- Intelligent Sensor Management (ISM®)
- Data storage for 99 GLP data records

For specifications, see SG2 and SG3 (exception: Weight: 357 g without batteries).

Order info	Standard equipment	Order No.
SG23-B	Meter only	51302600
SG23-ELK	Electrode kit with InLab Expert Pro-ISM and InLab 738-ISM (both IP67, 1.8 m cable)	51302601
SG23-FK2	Field kit with InLab Expert Pro-ISM and InLab 738-ISM (both IP67, 1.8 m cable)	51302602
SG23-FK5	Field kit with InLab Expert Pro-ISM-5 m and InLab 738-ISM-5 m (both IP67, 5 m cable)	51302603

SevenGo Duo pro™ instrument models

SG68

pH/ion/oxygen meter (IP67) to meet the highest requirements

- Portable dual-channel measuring instrument for the determination of pH, mV, rel. mV, ion concentration, and dissolved oxygen
- 5-point pH calibration with choice of 7 predefined and one user-defined buffer set
- Data storage for 500 GLP data records with time/date, sensor ID and SN, and user and sample IDs
- Contact-free IR communication
- Intelligent Sensor Management (ISM®)

SG68	Measuring range	Resolution	Precision
pH	-2.000 to 19.999	0.001	±0.002
mV (rel. mV)	-1999 to 1999	0.1	±0.1
Ions (units) mg/L, mmd/ L, mol/L	0.000 to 999.9% 0.000 to 9999 ppm 1.00E ⁻⁹ to 9.99E ⁻⁹		±0.5%
Temperature	-5.0 to 130.0 °C (ATC) -30.0 to 130.0 °C (MTC)	0.1 °C	±0.2 °C
Saturation	0.0 to 600%	0.1 to 1	±0.5%
Temperature	0.0 to 60.0 °C	0.1 °C	±0.1 °C
Oxygen (mg/L, ppm)	0.00 to 99.00	0.01	±0.5% max. 0.03
Pressure	500 to 1100 mbar	1	±1
pH sensor inputs	BNC (>10 ¹² Ohm); NTC 30 KΩ (both IP67)		
DO sensor inputs	BNC (>10 ¹² Ω); NTC 22 KΩ (both IP67)		

Order info	Standard equipment	Order No.
SG68-B	Meter only	51302610
SG68-ELK	Electrode kit with InLab Expert Pro-ISM and InLab 605-ISM (both IP67, 1.8 m cable)	51302611
SG68-FK2	Field kit with InLab Expert Pro-ISM and InLab 605-ISM (both IP67, 1.8 m cable)	51302612
SG68-FK5	Field kit with InLab Expert Pro-ISM-5 m and InLab 605-ISM-5 m (both IP67, 5 m cable)	51302613

Accessories

Accessories for SevenGo™

	Order No.
Communication (for model SG6, SG7, SG8, SG9, SG68, SG78, SG98)	
Infrared-USB adapter	51302332
Infrared-RS232 adapter	51302333

Other asseccories	Order No.
SevenGo™ clip	51302325
SevenGo™ 2-electrode clip	51302319
SevenGo™ protective rubber cover	51302321
SevenGo™ field compact case (empty)	51302359

SG78

pH/ion/conductivity meter (IP67) to meet the highest requirements

- Portable dual-channel measuring instrument for the determination of pH, mV, rel. mV, ion concentration, conductivity TDS (Total Dissolved Solids), salinity, and specific resistance
- 5-point pH calibration with choice of 7 predefined and one user-defined buffer set
- Data storage for 500 GLP data records with time/date, sensor ID and SN, and user and sample IDs
- Contact-free IR communication
- Intelligent Sensor Management (ISM®)

SG78	Measuring range	Resolution	Precision
pH	-2.000 to 19.999	0.001	±0.002
mV (rel. mV)	-1999 to 1999	0.1	±0.1
Ions			
Conductivity	0.01 µS/cm to 1000 mS/cm	0.01	±0.5%
TDS	0.01 mg/L to 600 g/L	0.01 to 1	±0.5%
Specific resistance	0.00 to 100.00 MΩcm		
Salinity	0.00 to 80.00 ppt		
Temperature	-5.0 to 130.0 °C (ATC) -30.0 to 130.0 °C (MTC)	0.1 °C	±0.2 °C
pH sensor inputs	BNC (>10 ¹² Ohm); NTC 30 KΩ (both IP67)		
Conductivity sensor input	LTW 7-pin (IP67)		

Kit	Standard equipment	Order No.
SG78-B	Meter only	51302620
SG78-ELK	Electrode kit with InLab Expert Pro-ISM and InLab 738-ISM (both IP67, 1.8 m cable)	51302621
SG78-FK2	Field kit with InLab Expert Pro-ISM and InLab 738-ISM (both IP67, 1.8 m cable)	51302622
SG78-FK5	Field kit with InLab Expert Pro-ISM-5 m and InLab 738-ISM-5 m (both IP67, 5 m cable)	51302623
SG78-USP/EP	Field kit with InLab Pure Pro-ISM, ISM MultiPin cable and InLab 742-ISM (IP67, 1.8 m cable)	51302625

SG98

pH/ion/optical dissolved oxygen meter (IP67) to meet the highest requirements

- Portable dual-channel measuring instrument for the determination of pH, mV, rel. mV, ion concentration, and optical dissolved oxygen
- 5-point pH calibration with choice of 7 predefined and one user-defined buffer set
- Data storage for 500 GLP data records with time/date, sensor ID and SN, and user and sample IDs
- Contact-free IR communication
- Intelligent Sensor Management (ISM®)

SG68	Measuring range	Resolution	Precision
pH	-2.000 to 19.999	0.001	±0.002
mV (rel. mV)	-1999 to 1999	0.1	±0.1
Ions (units) mg/L, mmd/ L, mol/L	0.000 to 999.9% 0.000 to 9999 ppm 1.00E ⁻⁹ to 9.99E ⁻⁹		±0.5%
Temperature pH	-5.0 to 130.0 °C (ATC) -30.0 to 130.0 °C (MTC)	0.1 °C	±0.2 °C
Saturation	0 ... 500%	0.1	
Temperature DO	0 ... 50.0 °C	0.1 °C	±0.1 °C
Oxygen (mg/L, ppm)	0.00 ... 50.00	0.01	±0.1 mg/L from 0 to 8 ±0.2 mg/L from 8 to 20 ±10% from 20 ... 50
Pressure	500 to 1100 mbar	1	±1

Kit	Standard equipment	Order No.
SG98-B	Instrument only	51302661
SG98-ELK	Electrode kit with InLab Expert Pro-ISM-IP67 and InLab OptiOx (both IP67, 1.8 m cable)	51302662
SG98-FK2	Field kit with InLab Expert Pro-ISM-IP67 and InLab OptiOx (both IP67, 1.8 m cable)	51302663
SG98-FK5	Field kit with InLab Expert Pro-ISM-IP67 and InLab OptiOx (both IP67, 5 m cable)	51302664

FiveEasy™ and FiveGo™

Introduction to pH Measurement

The compact FiveEasy bench meters and the splash-protected FiveGo portable meters for measuring pH and conductivity are easy to operate thanks to self-explanatory keypads and large displays. Robust electrodes and helpful accessories complement the meters in the kit versions.

FiveEasy™ bench meters



Suitable to a wide variety of applications

pH made easy – “Read” starts a measurement, “Cal” a calibration. Automatic endpoint recognition, automatic temperature compensation and calibration with automatic buffer recognition reduce possible user errors to a minimum.

FiveGo™ portable meters



Good portable measurement in the field

Ergonomic design – the portable meter is ideal for field work, offering IP54 protection against dust and water ingress.



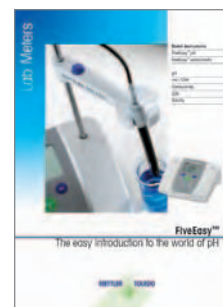
At a glance

Besides the simultaneous display of measured value and temperature, various helpful icons inform you immediately about the condition of your electrode and whether a measurement is in progress or whether the reading is already stable.



Useful accessories

Useful accessories such as electrode clip, wrist strap and a laminated "Quick Guide" are included with every meter. The field kit version comes additionally with a handy carry bag.



For more information
please order our brochure
Bench Instruments

► www.mt.com/pHlab

	FG2 FiveGo™ pH FE20 FiveEasy™ pH	FG3 FiveGo™ conductivity FE30 FiveEasy™ conductivity	FG4 FiveGo™ FiveGo dissolved oxygen
Measuring range	0.00...14.00 pH -1999...1999 mV 0 °C...100 °C (32 °F...212 °F)	0.0 µS/cm...199.9 mS/cm 0.1 mg/L...199.9 g/L (TDS) 0.00...19.99 psu (salinity) 0 °C...100 °C (32 °F...212 °F)	0-45 mg/L
Resolution	0.01 pH 1 mV 0.1 °C	Automatic range 0.00...19.99 psu 0.1 °C	0.01 mg/L
Accuracy	± 0.01 pH ± 1 mV ± 0.5 °C	± 0.5% of the measured value ± 0.3 °C	±1% of the measured value 0.5 °C
Input	BNC, impedance > 10e + 12 Ω RCA Cinch, NTC 30 kΩ	Mini-DIN	BNC RCA (Chinch)

Model	Probe	Part No
FE20-Basic	none	51302910
FE20-Kit	LE409	51302911
FE20-ATC kit	LE438	51302916
FE30-Basic	none	51302912
FE30-Kit	LE703	51302913

Non kit versions include:

Meter, operating manual, "Quick guide", power adapter (FiveEasy™ only), batteries (FiveGo™ only), electrode clip (FiveGo™ only), wrist strap (FiveGo™ only)
N.B. Electrode NOT included

Kit versions include:

as above plus appropriate electrode, electrode arm (FiveEasy™ only), carry bag incl. 4 sample bottles (Field kits only), buffer sachets and guides

Model	Probe	Part No
FG2-Basic	none	51302900
FG2-Kit	LE438	51302901
FG2-Food kit	LE427	51302906
FG2-Field kit	LE438	51302902
FG3-Basic	none	51302903
FG3-Kit	LE703	51302904
FG3-Field kit	LE703	51302905
FG4-Basic	none	51302955
FG4-Kit	LE611	51302956
FG4-Field kit	LE611	51302957

Your Personal Electrode

METTLER TOLEDO Ingold electrodes have been synonymous with quality for over 60 years. Our product offering covers the vast majority of applications both for laboratory and field measurement. Just look through our portfolio to find the right electrode for your application.

InLab® economy and general purpose



Polymer electrolyte



These black sensors are particularly insensitive to contamination. Its reference electrode is in direct contact with the measured medium by means of two open connections, hence there is no junction to block.

Premium InLab® and pH specialists



Name	Type	Features/description	Connector	BNC Cable	Part No
InLab® economy electrodes					
InLab®Versatile	Economy 2-in-1	Replaceable junction, refillable	BNC	included	51343030
InLab®Versatile Pro	Economy 3-in-1	Replaceable junction, refillable, ATC probe	BNC/RCA	included	51343031
InLab®Easy	Economy 2-in-1	Gel-filled, polysulfone shaft	S7	52300004*	51343010
InLab®Easy BNC	Economy 2-in-1	Gel-filled, polysulfone shaft	BNC	included	51343011
InLab®Basics BNC	Economy 2-in-1	ARGENTHAL with Ag ⁺ ion trap	BNC	included	51343020
General purpose pH glass electrodes					
InLab®Routine	General Purpose 2-in-1	ARGENTHAL with Ag ⁺ ion trap	S7	52300004*	51343050
InLab®Routine Pt1000	General Purpose 3-in-1	ARGENTHAL with Ag ⁺ ion trap	MultiPin™	included	51343056
InLab®Routine Pro	General Purpose 3-in-1	ATC probe (TRIS compatible)	MultiPin™	52300009*	51343054
InLab®Science	General Purpose 2-in-1	Movable glass sleeve	S7	52300004*	51343070
InLab®Science Pro	General Purpose 3-in-1	Movable glass sleeve, ATC probe	MultiPin™	52300009*	51343071
pH electrodes with polymer electrolyte					
InLab®Expert Pro (kit electrode)	Premium 3-in-1	Open junction, PEEK shaft, 0...100 °C	BNC/RCA	included	51343101
InLab®413 SG	Premium 3-in-1	Open junction, PEEK shaft, IP67	BNC/RCA	included	51340288
Waterproof connectors for use with portable meters		SevenGo™ SG2 + SG8			
InLab®Expert NTC30	Premium 3-in-1	Open junction, PEEK shaft, 0...100 °C	MultiPin™	52300009*	51343104
Premium InLab® electrodes with pressurized electrolyte					
InLab®Power	Premium 2-in-1	Pressurized reference system SteadyForce™	S7	52300004*	51343110
InLab®Power Pro	Premium 3-in-1	ATC probe, 170 mm long, SteadyForce™	MultiPin™	52300009*	51343111
InLab®Viscous	Premium 2-in-1	SteadyForce™, special thin tip	S7	52300004*	51343150
InLab®Viscous Pro	Premium 3-in-1	ATC probe, SteadyForce, special thin tip	MultiPin	52300009*	51343151
InLab® pH specialists					
InLab®Semi-Micro	Specialist 2-in-1	6 mm shaft diameter	S7	52300004*	51343165
InLab®Semi-Micro-L	Specialist 2-in-1	200 mm long, 6 mm shaft diameter	S7	52300004*	51343161
InLab®Micro	Specialist 2-in-1	3 mm shaft diameter	S7	52300004*	51343160
InLab®Ultra-Micro	Specialist 2-in-1	3 mm shaft diameter, min. sample volume 15 µL	S7	52300004	51343163
InLab®Flex-Micro	Specialist 2-in-1	Flexible shaft, shaft length 180 mm	BNC	included	51343164
InLab®Reach	Specialist 2-in-1	300 mm long	S7	52300004*	51343060
InLab®Surface	Specialist 2-in-1	Flat-ended membrane, polysulfone shaft	S7	52300004*	51343157
InLab®Solids	Specialist 2-in-1	Spear tip	S7	52300004*	51343153
InLab®Solids Pro	Specialist 3-in-1	Spear tip, ATC probe	MultiPin™	52300009*	51343154
InLab®Cool	Specialist 2-in-1	FRISCOLYT-B electrolyte, -30...80 °C	S7	52300004*	51343174
InLab®Hydrofluoric	Specialist 2-in-1	Special HF resistant membrane	S7	52300004*	51343176
InLab®Reach Pro	Specialist 3-in-1	400 mm long, ATC probe	MultiPin™	52300009*	51343061
InLab®Pure	Specialist 2-in-1	dirt repellent PTFE junction, gel electrolyte	S7	52300004*	51343170
InLab®Pure Pro	Specialist 3-in-1	Triple junction, ATC probe, electrolyte bridge	MultiPin™	52300009*	51343171
InLab®490	Specialist 3-in-1	ISFET probe with driTEK reference	Mini-DIN	included	51302305
ORP/Redox electrodes					
InLab®Redox	ORP 2-in-1	Platinum ring	S7	52300004*	51343200
InLab®Redox Au	ORP 2-in-1	Gold ring	S7	52300004*	51343204
InLab®Redox Ag	ORP 2-in-1	Silver ring, KNO ₃ electrolyte	S7	52300004*	51343205
InLab®Redox Pro	ORP 2-in-1	Platinum ring, movable PTFE sleeve	S7	52300004*	51343201
Pt805-S7/120	ORP half-cell	Platinum ring	S7	59902392*	59904377
* BNC cables are sold separately, and are not included in the price of the electrodes.					
Temperature sensors					
InLab®NTC30 kΩ laboratory temperature sensor in glass shaft (cable not included) (120 x 12 mm), with quality certificate					51343310
InLab®Pt1000 laboratory temperature sensor in glass shaft (cable not included) (120 x 12 mm), with quality certificate					51343312
NTC30 kΩ temperature probe in stainless steel (cable included)					51300164
PT1000 temperature probe in stainless steel (cable included)					51300165

2-in-1 combination electrode: this is a reference and pH half-cell in one electrode.

3-in-1 combination electrode: this electrode has a built-in temperature sensor as well as a reference and pH half-cell.

Determinations Precisely!

Intelligent Sensor Management (ISM®)



Sensors for SevenGo Duo™ and SevenCompact™

ISM® is a sophisticated new concept for the SevenGo Duo™ and SevenCompact™ meters. It means that the user can rest assured that he or she is always working with the most up-to-date data for the sensor.

All You Need in One Probe



Conductivity probes

The probes in our InLab®700 series include a built-in temperature sensor enabling automatic temperature compensation. The InLab®741 easily fulfils the stringent conductivity requirements of the United States and European Pharmacopoeia (USP/EP).

Modular and Versatile



Ion-selective half-cells and gas sensitive electrodes

METTLER TOLEDO offers one of the largest ranges of ion-selective and gas sensitive electrodes in the world.

The ion-selective electrodes (ISEs) can be used with your titrator as well as your ion meter. Please contact the Laboratory Technical Support Team for more details, including application information.

Sensors for METTLER TOLEDO meters with Intelligent Sensor Management (ISM®)

Name	Type	Features/description	Cable and Connector	Meter compatibility	Part No
InLab®Expert Pro-ISM	pH	InLab Expert Pro with ISM	51344291	S220	30014096
InLab®Science Pro-ISM	pH	InLab®Science Pro with ISM	51344291*	SG23/68/78/98, S220	51344072
InLab®Routine Pro-ISM	pH	InLab®Routine Pro with ISM	51344291*	SG23/68/78/98, S220	51344055
InLab®Power Pro-ISM	pH	InLab®Power Pro with ISM	51344291*	SG23/68/78/98, S220	51344211
InLab®Pure Pro-ISM	pH	InLab®Pure Pro with ISM	51344291*	SG23/68/78/98, S220	51344172
InLab®Solids Pro-ISM	pH	InLab®Solids Pro with ISM	51344291*	SG23/68/78/98, S220	51344155
InLab®Micro Pro-ISM	pH	InLab®Micro Pro with ISM	51344291*	SG23/68/78/98, S220	51344163
InLab®Expert Pro-ISM IP67	pH	InLab®Expert Pro with ISM	Fixed cable: IP67 BNC/RCA (Cinch)	SG23/68/78/98	51344102
InLab®731-ISM	Conductivity	InLab 731 with ISM	Fixed cable: Mini-DIN	S230	30014092
InLab®738-ISM	Conductivity	InLab®738 with ISM	Fixed cable: IP67 LTW	SG23, SG78	51344110
InLab®741-ISM	Conductivity	InLab 741 with ISM	Fixed cable: Mini-DIN	S230	30014094
InLab®742-ISM	Conductivity	InLab®742 with ISM	Fixed cable: IP67 LTW	SG23, SG78	51344116
InLab®605-ISM	Dissolved oxygen	InLab®605 with ISM	Fixed cable: BNC/RCA (Cinch)	SG68	51343611
InLab®OptiOx	Dissolved oxygen	Optical RDO technology	Fixed cable, Mini-LTW	SG9/98	51344621

* Cables are sold separately, and are not included in the price of the electrodes. See page 147 for information.

Conductivity probes

Name	Type	Measuring range	Cell constant	Connections	Part No
InLab®751-4mm	Shaft diameter 4 mm	10 µS/cm...200 mS/cm	0.1 cm ⁻¹	Mini-DIN	51344030
InLab®752-6mm	Shaft diameter 6 mm	10 µS/cm...200 mS/cm	0.1 cm ⁻¹	Mini-DIN	51344031
InLab®731 (kit electrode)	4 graphite poles, epoxy shaft	0,01 mS/cm...1000 mS/cm	0,57 cm ⁻¹	Mini-DIN	51344020
InLab®738	4 graphite poles, epoxy shaft	0,01 mS/cm...1000 mS/cm	0,57 cm ⁻¹	IP67 LTW	51344120
InLab®741 (USP/EP)	2 steel poles, V4A steel shaft	0,001 µS/cm...500 µS/cm	0,105 cm ⁻¹	Mini-DIN	51344024
InLab®742	2 steel poles, V4A steel shaft	0,001 µS/cm...500 µS/cm	0,105 cm ⁻¹	IP67 LTW	51344126
InLab®Trace Kit	2 titanium poles, flow cell	0.0001 µS/cm...1000 µS/cm	0.01 cm ⁻¹	Mini-LTW	30014099

DX series ion-selective half-cells and gas sensitive electrodes (GSE)

Assembled ion-selective electrode (ISE)					Membrane kit	Filling solution
Ion	DX ISE	Part No	Cable for titrator	Cable to fit ion/pH meter	Part No	Part No
Ammonia	NH ₃ GSE	51341000	089601*	52300004*	51340013	51340036
Ammonium	DX218-NH ₄ ⁺ #	51340900	089601*	52300004*	51340012	51340035
Barium	DX337-Ba ²⁺ #	51107674	089601*	52300004*	51107688	51107892
Bromide	DX280-Br ⁻ #	51340300	089601*	52300004*	51340006	51340029
Cadmium	DX312-Cd ²⁺ #	51107672	089601*	52300004*	51107686	51107891
Calcium	DX240-Ca ²⁺ #	51340600	089601*	52300004*	51340009	51340032
Chloride	DX235-Cl ⁻ #	51340400	089601*	52300004*	51340007	51340030
Copper	DX264-Cu ²⁺ #	51107678	089601*	52300004*	51107692	51107889
Cyanide	DX226-CN ⁻ #	51107681	089601*	52300004*	51107695	51107893
Fluoride	DX219-F ⁻ #	51340500	089601*	52300004*	51340008	51340031
Fluoroborate	DX287-BF ₄ ⁻ #	51107676	089601*	52300004*	51107690	51107890
Iodide	DX327-I ⁻ #	51107680	089601*	52300004*	51107694	51107898
Lead	DX407-Pb ²⁺ #	51107873	089601*	52300004*	51107874	51107875
Lithium	DX207-Li ⁺ #	51107673	089601*	52300004*	51107687	51107881
Nitrate	DX262-NO ₃ ⁻ #	51340800	089601*	52300004*	51340011	51340034
Potassium	DX239-K ⁺ #	51340700	089601*	52300004*	51340010	51340033
Sodium	DX223-Na ⁺ #	51340263	089601*	52300004*	n/a	n/a
Sulphide (Silver)	DX232-S ²⁻ #	51107675	089601*	52300004*	51107689	51107894
Surfactant	DS500 #	51107670	089601*	52300004*	51107669	51107899
Thiocyanate	DX258-SCN ⁻ #	51107870	089601*	52300004*	51107871	51107872

Reference electrode required. See below.

* Cables are sold separately and are not included in the price of the electrodes.

NOx GSE	Nitrogen Oxides	NH ₃ GSE 51341000 + NOx electrolyte 51340037
CO ₂ GSE	Carbon Dioxide	NH ₃ GSE 51341000 + CO ₂ electrolyte 51340038

Half-cell and reference electrodes

Name	Type	Features/description	Connector	Cable for titrator	BNC cable	Part No
InLab®Mono	pH half-cell	pH glass electrode	S7	089601*	52300004*	52000127
InLab®Reference	Reference electrode	Ceramic junction	S7	52300015*	52300016*	52000128
InLab®Reference Pro	Reference electrode	Teflon sleeve, electrolyte bridge	S7	52300015*	52300016*	52000129
DX200	Reference electrode for titration	Ground glass sleeve, electrolyte bridge	S7	52300015*	52300016*	51089935

* Cables are sold separately, and are not included in the price of the electrodes. See pages 144/147 for information.






perfectION™ series combination ion-selective electrodes

Assembled ISE				Reference electrolyte	Membrane module	Ionic Strength Adjustment (ISA) solution
Ion	perfectION™	Part No electrode	Cable and connector	Designation and Part No	Part No	Part No
Silver / Sulphide	Combined $\text{Ag}^+/\text{S}^{2-}$	51344700	1.2 m cable; BNC	Ion Electrolyte B 51344751	n/a	Silver: 51344760
	Comb. $\text{Ag}^+/\text{S}^{2-}$ Lemo	51344800	1.2 m cable; Lemo	Ion Electrolyte B 51344751	n/a	Silver: 51344760
Calcium	Combined Ca^{2+}	51344703	1.2 m cable; BNC	Ion Electrolyte A 51344750	51344850	51344761
	Comb. Ca^{2+} Lemo	51344803	1.2 m cable; Lemo	Ion Electrolyte A 51344750	51344850	51344761
Chloride	Combined Cl^-	51344706	1.2 m cable; BNC	Ion Electrolyte B 51344751	n/a	n/a
	Comb. Cl^- Lemo	51344806	1.2 m cable; Lemo	Ion Electrolyte B 51344751	n/a	n/a
Cyanide	Combined CN^-	51344709	1.2 m cable; BNC	Ion Electrolyte B 51344751	n/a	n/a
	Comb. CN^- Lemo	51344809	1.2 m cable; Lemo	Ion Electrolyte B 51344751	n/a	n/a
Copper	Combined Cu^{2+}	51344712	1.2 m cable; BNC	Ion Electrolyte D 51344753	n/a	51344760
	Comb. Cu^{2+} Lemo	51344812	1.2 m cable; Lemo	Ion Electrolyte D 51344753	n/a	51344760
Fluoride	Combined F^-	51344715	1.2 m cable; BNC	Ion Electrolyte A 51344750	n/a	51344760
	Comb. F^- Lemo	51344815	1.2 m cable; Lemo	Ion Electrolyte A 51344750	n/a	51344760
Iodide	Combined I^-	51344718	1.2 m cable; BNC	Ion Electrolyte D 51344753	n/a	51344760
	Comb. I^- Lemo	51344818	1.2 m cable; Lemo	Ion Electrolyte D 51344753	n/a	51344760
Potassium	Combined K^+	51344721	1.2 m cable; BNC	Ion Electrolyte E 51344754	51344851	51344762
	Comb. K^+ Lemo	51344821	1.2 m cable; Lemo	Ion Electrolyte E 51344754	51344851	51344762
Sodium	Combined Na^+	51344724	S7	3 mol/L KCl 51340049	n/a	51340072
Nitrate	Combined NO_3^-	51344727	1.2 m cable; BNC	Ion Electrolyte F 51344755	51344852	51344763 51344764
	Comb. NO_3^- Lemo	51344827	1.2 m cable; Lemo	Ion Electrolyte F 51344755	51344852	51344763 51344764
Lead	Combined Pb^{2+}	51344730	1.2 m cable; BNC	Ion Electrolyte B 51344751	n/a	51344760
	Comb. Pb^{2+} Lemo	51344830	1.2 m cable; Lemo	Ion Electrolyte B 51344751	n/a	51344760

Detachable Cables

The Right Connections

We supply various cables.
For more information, including help with selecting the correct cable, contact our Laboratory Technical Support Team.

MultiPin	
S7	
BNC	
Ref	
Banana 2 mm	

Cables for electrodes

Type	Part No
S7 screwhead to BNC for pH and redox electrodes (without temperature sensor)	52300004
MultiPin™ head to BNC/RCA for electrodes with NTC30K temperature probe	52300009
S7 screwhead to 2 mm pin for reference half-cell	52300016
Red S7 screwhead to BNC	59902392
MultiPin™ ISM® electrode cable	51344291

A Solution Within Hands-Reach

METTLER TOLEDO buffer solutions are traceable to primary standards selected by NIST (National Institute of Standards and Technology, USA). Each buffer solution comes with a quality inspection certificate which guarantees the stated values and traceability.



pH and Redox buffers

pH buffer soln	Color	Packaging	Part No
2.00	Clear	250 mL bottle	51340055
2.00	Clear	6x250 mL bottles	51319010
4.01	Clear	30x20 mL sachets	51302069
4.01	Red	250 mL bottle	51340057
4.01	Red	6x250 mL bottles	51340058
7.00	Clear	30x20 mL sachets	51302047
7.00	Green	250 mL bottle	51340059
7.00	Green	6x250 mL bottles	51340060
9.21	Clear	30x20 mL sachets	51302070
9.21	Blue	250 mL bottle	51300193
9.21	Blue	6x250 mL bottles	51300194
10.00	Clear	250 mL bottle	51340056
10.00	Clear	6x 250 mL bottles	51340231
10.00	Clear	30x20 mL sachets	51302079
11.00	Clear	250 mL bottle	51340063
11.00	Clear	6x250 mL bottles	51319018
Rainbow boxes			
4.01/7.00/9.21		30x20 mL sachets	51302068
4.01/7.00/10.00		30x20 mL sachets	51302080
pH buffer solutions NIST and DIN 19266 pH ±0.015			
4.006	Clear	250 mL bottle	51340039
4.006	Clear	6x250 mL bottles	51319004
6.865	Clear	250 mL bottle	51340041
6.865	Clear	6x250 mL bottles	51319005
9.180	Clear	250 mL bottle	51340042
9.180	Clear	6x250 mL bottles	51319007
10.012	Clear	250 mL bottle	51340044
DKD-certified buffer solutions			
4.01	Red	250 mL bottle	52118093
7.00	Green	250 mL bottle	52118094
9.21	Blue	250 mL bottle	52118095
10.00	Clear	250 mL bottle	52118096
ISA solutions			
TISAB 3, for determination of Fluoride, 250 mL bottle			51340064
0.9 mol/l Al ₂ (SO ₄) ₃ , for determination of Ammonium, Potassium, Nitrate, 250 mL bottle			51340072
Redox buffer solutions. E(Ag/AgCl) 25 °C			
220 mV U _H = 427 mV		250 mL bottle	51340065
220 mV U _H = 427 mV		6x250 mL bottle	51340081

Conductivity standards

Conductivity standards		Part No
10 µS/cm	250 mL bottle	51300169
84 µS/cm	250 mL bottle	51302153
500 µS/cm	250 mL bottle	51300170
1413 µS/cm	30x20 mL sachets	51302049
1413 µS/cm	250 mL bottle	51300138
1413 µS/cm	6x250 mL bottles	51300259
12.88 mS/cm	30x20 mL sachets	51302050
12.88 mS/cm	250 mL bottle	51300139
12.88 mS/cm	6x250 mL bottles	51300260

ISE calibration standards

Ion and concentration	Packaging	Part No
Silver ISE standard solution 1000 mg/L	500 mL bottle	51344770
Calcium ISE standard solution 1000 mg/L	500 mL bottle	51344771
Chloride ISE standard solution 1000 mg/L	500 mL bottle	51344772
Cyanide ISE standard solution 1000 mg/L	500 mL bottle	51344773
Copper ISE standard solution 1000 mg/L	500 mL bottle	51344774
Fluoride ISE standard solution 1000 mg/L	500 mL bottle	51344775
Iodide ISE standard solution 1000 mg/L	500 mL bottle	51344776
Potassium ISE standard solution 1000 mg/L	500 mL bottle	51344777
Sodium ISE standard solution 1000 mg/L	500 mL bottle	51344778
Nitrate ISE standard solution 1000 mg/L	500 mL bottle	51344779
Lead ISE standard solution 1000 mg/L	500 mL bottle	51344780
Sulphide ISE standard solution 1000 mg/L	500 mL bottle	51344781

Storage and refill solutions

Electrolytes for reference electrodes		Part No
KCl 3 mol/l	250 mL bottle	51340049
KCl 3 mol/l, AgCl saturated	250 mL bottle	51340045
Friscolyt-B® storage solution for InLab®413 pH electrode	250 mL bottle	51340053
1M KNO ₃ filling solution	250 mL bottle	51340047
Cleaning solutions		
Pepsin-HCl for cleaning junctions with protein contamination, treatment approx 1 hr	250 mL bottle	51340068
Thiourea solution for cleaning junctions with silver sulphide contamination, treatment until clean	250 mL bottle	51340070
Reactivation solution for regeneration of glass end electrodes, treatment approx 1 min	25 mL bottle	51340073