

Laboratory pH Meters, METTLER TOLEDO

FiveEasy™ pH Meter

The device can be used for different applications in many areas, such as in food and beverage industry, in water or environment analysis.

The price-performance ratio and a compact design with need for little space characterise these devices.

Technical data:

pH-range:	0.00 to 14.00, resolution: 0.01 pH
mV-range:	-1999 to 1999, resolution: 1 mV
Temperature range °C:	0.0 to 100.0, resolution: 0.1°C
Calibration:	max. 2 points, 3 pre-defined buffer groups
Display:	LCD
Power supply:	ext. power adapter (standard)

Article	Order No.
FiveEasy FE20-Basic	10 50 02910
FiveEasy™ measurement device, user manual, short guide, power adapter	
① FiveEasy FE20-Kit	10 50 02911
same as FE20-Basic, plus pH-electrode LE409, electrode arm, 2 buffer bags pH 4.01 and 7.00	
FiveEasy pH FE20 ATC Kit	10 50 02916
same as FE20-Kit, but with electrode LE438 incl. temperature sensor	



①

② pH/ion meter SevenCompact™

New, extremely powerful device for measuring the pH (210) or pH and ion concentration (220):

- 4.3" color display with u-Focus™: switchover of the information on the display
- PIN-protected routine or expert mode, full GxP support
- Full text menu navigation in 10 languages
- ID management: user/specimen/sensor ID, intellig. Sensor Managem. (ISM)
- Calibration with pre-and user-defined buffer groups, calibration timer
- Automatic, manual, or time-controlled limit point detection; limit point criteria are separately
- Measurement of the ion concentration with pre-defined ions
- Internal memory for measured values for 1,000 data records, data export via USB flash drive
- 2 USB interfaces for PC, connection of a USB scanners or keyboard
- U-Place™: unique electrode holder with absolutely vertical movement
- Control function for a stirrer available as an option

Technical data:

pH-range:	-2.0 to 20.00, resolution 0.001 / 0.01 / 0.1
mV-range:	-2000 to 2000 mV, resolution 0.1 / 1
Ion concentration:	0 to 1000% / 0 to 10000 ppm / 1.0 E-9 to 9.99 E+9 mg/l
Temperature range °C:	-30.0 to 130.0°C, resolution 0.1

Article	Order No.
S210-Basic	10 50 09025
Device, U-Place™ electrode holder, mains adapter, certificate	
S210-Kit	10 50 09026
same as S210-Basic plus electrode LE438, calibration buffer	
S220-Basic	10 50 09028
Device, U-Place™ electrode holder, mains adapter, certificate	
S220-Kit	10 50 09029
same as S220-Basic plus electrode InLab Expert Pro-ISM, cable, calibration buffer	
S220-Bio	10 50 09031
same as S220-Basic plus electrode InLab Routine Pro-ISM, cable, calibration buffer	
S220-U	10 50 09032
same as S220-Basic plus electrode InLab Versatile Pro, cable, calibration buffer	
LabX direct PC software	10 50 02876
S220-Micro	10 50 06985
same as S220-Basic plus electrode InLab Ultra Micro, cable, calibration buffer	
S220-uMix	10 50 06986
same as S220-Kit plus. uMix magnetic stirrer	
③ Printer RS-P25 (with RS232 cable)	10 50 04300
Bar code scanner case (without cable)	10 50 01297
USB cable for bar code scanner	10 50 01309

Sensors: look at ISM-/InLab-sensors, more accessories available on request.



②



③



Modular multi parameter measuring device SevenExcellence™

Professional modular instrument for pH/redox potential, conductivity/salinity/TDS and ion concentration/dissolved oxygen (DO) measurements. For equipment or subsequent extension with 1, 2, or 3 measuring modules of any type.

Properties of the SevenExcellence™ basic unit:

- Huge 7 high-resolution display and capacitive touch screen with clear buttons for perfect ease of operation
- Limitless modularity and flexibility: up to 3 measuring modules can be operated in parallel, easy to expand to 2 or 3 channels
- Universal communication via USB, Ethernet (LAN) and RS-232
- Full text menu guide in 10 languages with Help menu
- Unique OneClick™ operation concept (individually configurable functions/processes at a push of a button)
- Methods memory
- Utmost safety and GxP support (ID protection, sophisticated user management, limits/alarms, integrated radio timer)
- Intelligent Sensor Management (ISM™)
- Connection of stirrer, automatic sample changer, PC, barcode scanner, keyboard, printer (local or in the network)
- Memory for 20,000 data records (measured values, calibrations, methods)
- U-Place™ electrode holder with absolute vertical movement

Technical data:

pH-measuring range:	-2.000 to 19.999
Resolution:	0.001/0.01/0.1
mV:	-1999 to +1999 /0.1
Temperature:	-5.0 to 130.0°C, resolution 0.1
Conductivity:	0.01 µS/cm to 1000 mS/cm
TDS:	0.1 mg/l to 2000 g/l
Special inhibitors:	0.00 to 2000 MOhm × cm
Salinity:	0.00 to 80.00 ppt
Ion concentration:	9×10^{-9} to $9.99 \times 10^{+7}$, resolution ± 1 Digit
DO/BOD (O ₂):	0,000 to 50 mg/l or ppm
Saturation:	0 to 500%
Air pressure:	500 to 1100 mbar
Temperature:	0 to 50°C

Measuring module pH:

- 1- to 9-point calibration with automatic buffer recognition
- 8 predefined buffer records, 1 buffer record freely definable
- Automatic temperature compensation with Pt1000 sensors or NTC 30 kOhm

Measuring module conductivity:

- Automatic recognition of calibration status
- Description of calculated cell constants/entering of known cell constants
- Selectable reference temperature (20 or 25°C)
- Linear, non-linear temperature compensation or USP/EP mode

Measuring module concentration/pH:

- Like pH measuring module plus:
- 2- to 9-point calibration for determination of concentration
- Storage of calibration data for up to 10 ISE-sensors
- Direct measurement, standard or sample addition/subtraction

Measuring module DO/BOD (dissolved O₂/biol. O₂ demand):

- 2-point calibration, 2 predefined, 1 user-defined standard
- Automatic temperature and air pressure compensation
- Optical (InLab OptiOx) or polarographic sensors (InLab 605)
- Biol. O₂ demand: predefined methods according DIN 38409 and EPA



Article	Order No.
S400-Basic incl. pH module, 2 × blank modules, electrode arm, LabX direct software, certificate	10 50 06240
S400-Kit same as S400 plus electrode InLab Expert Pro ISM, cable, 3 × 2 buffer bags	10 50 06241
S400-Bio same as S400-Kit, but with glass electrode InLab Routine Pro ISM and cable	10 50 06242
S400-ISFET same as S400-Kit, but with ISFET electrode InLab 490	10 50 06243
S400-Micro same as S400-Kit but with InLab Ultra Micro and cable	10 50 02982
S400-uMix same as S400-Kit plus uMix magnetic stirrer	10 50 02983
S700-Basic incl. conductivity module, 2 × blank modules, electrode arm, LabX direct software, certificate	10 50 06244
S700-Kit same as S700 plus electrode InLab 731 ISM, 4 bags of calibration standard	10 50 06245
S700-Trace same as S700 plus electrode InLab Trace ISM and flow cell, 4 bags of calibration standard	10 50 06246
S470 incl. 1 × pH-, 1 × conductivity module, 1 blank module, electrode arm, LabX direct software, certificate	10 50 06252
S470-Kit same as S470 plus pH electrode InLab Expert Pro ISM, Lf electrode InLab 731 ISM, 12 × calibration buffer/standard	10 50 06253
S470-USP/EP same as S470 plus pH glass electrode InLab Pure Pro ISM, cable, Lf electrode InLab 741 ISM, 2 × calibration buffer/standard	10 50 06254
S500-Basic incl. pH/ion module, 2 × blank modules, electrode arm, LabX direct software, certificate	10 50 06248
S500-Kit same as S500 plus pH electrode InLab Expert Pro ISM, 8 × calibration buffer	10 50 06249
S500-Bio same as S500-Kit plus pH electrode InLab Routine Pro ISM, cable	10 50 06250
S500-F same as S500-Kit plus ISE electrode Perfection Fluorid	10 50 06251
S475-Basic 1 × pH-, 1 × conductivity module, 1 × pH/ion module, electrode arm, LabX direct software, certificate	10 50 06255
Extension unit/pH module	10 50 04472
Extension unit/pH/ion module	10 50 04471
Extension unit/conductivity module	10 50 04473
S600-Kit 1 × DO/BOD module, 2 × blank modules, O ₂ electrode InLab 605-ISM, electrode arm, LabX direct software, certificate	10 50 02985
S900-Basic 1 × DO/BOD module, 2 × blank modules, electrode arm, LabX direct software, certificate	10 50 02984
S900-Kit same as S900-Basic plus O ₂ electrode InLab OptiOx	10 50 02986
S900-BOD same as S900-Kit, plus adapter for BOD/BSB bottles	10 50 02987
S479-Kit same as S470-Kit plus DO/BOD module and O ₂ electrode InLab OptiOx	10 50 02988
S975-uMix same as S479-Kit plus uMix magnetic stirrer	10 50 02989

More versions and accessories available on request.

