

Calibration & Cleaning Solutions

Calibration solutions	Order No.	Order No.
	30 x 20 mL sachets	6 x 250 mL bottles
pH 4.01	51302069	51350018
pH 7.00	51302047	51350020
pH 9.21	51302070	51350022
pH 10.01	51302079	51350024
1413 µS/cm	51302049	51350096
12.88 mS/cm	51302050	51350098



Cleaning solutions	Order No.	Order No.
	1 x 250 mL bottle	1 x 25 mL bottle
Pepsin/HCl solutions for cleaning diaphragms with proteinaceous contamination. Reaction time: approx. 1 hour.	51350100	
Thiourea solution for cleaning diaphragms contaminated by silver sulfide. Leave to act until decolorization.	51350102	
Reactivation solution for regenerating glass pH electrodes. Reaction time: 1 min.		51350104



METTLER TOLEDO – the Right Solution Right from the Start...

...also for outdoor applications: FiveGo™, the splash-protected portable instrument for a mobile introduction to the world of pH, conductivity and DO.

FiveEasy™



FiveEasy™ Bench Instruments

FiveEasy Plus

FiveEasy

pH

mV / ORP

Conductivity

TDS

Salinity

METTLER TOLEDO gone Global...

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Economic & Reliable
The Easy Introduction to the World of pH

METTLER TOLEDO



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5 x outstanding price/performance ratio

- METTLER TOLEDO quality for reliable measurements
- Separate reference input for pH measurement with half-cells
- RS232 interface for data print out (FiveEasy Plus)
- Handy electrode arm automatically included in kit versions
- Over 60 years of sensor know-how also included in entry-level instruments

5 x superb functionalities

- Automatic or manual termination of a measurement or calibration
- Automatic calibration with predefined pH buffer groups or predefined conductivity standards
- Automatic or manual temperature compensation
- Up to 3 point calibration with automatic buffer recognition during pH calibration
- Data storage for 99 measurements (FiveEasy Plus)

5 x self-explanatory buttons for the simplest operation

- Simple start and finish of measurements and calibrations
- Fast changeover between pH and mV parameters, or between conductivity, TDS and salinity
- Intuitive adjustment of settings e.g. for manual temperature compensation
- Saving and accessing of measurements and calibration data at the push of a button
- Separate on/off switch

5 x useful information on a large, well organized display

- Simultaneous display of measurement, temperature and endpoint recording
- Electrode icon: provides information on the condition of the electrode
- Calibration icon: the instrument is calibrating
- Measurement icon: the instrument is carrying out measurements
- Setup icon: settings can be modified



5 x useful accessories

- Electrode arm can be attached to the left or right-hand side of the instrument
- "Quick guide" for the lab bench – laminated in case of spills
- A variety of electrodes for various applications
- Extensive range of solutions for calibration and cleaning
- Separate temperature sensor and ORP electrodes are also available

Comparison Table

	FiveEasy Plus pH FEP20	FiveEasy pH FE20	FiveEasy Plus Conductivity FEP30	FiveEasy Conductivity FE30
Calibration point	3	2	1	1
Memory	99 measurements	-	99 measurements	-
RS232 interface	Yes	-	Yes	-

Other specifications of FiveEasy Plus and FiveEasy are identical

Technical Specifications

	FiveEasy Plus pH FEP20	FiveEasy pH FE20	FiveEasy Plus Conductivity FEP30	FiveEasy Conductivity FE30
Measuring range	0.00...14.00 pH -1999...1999 mV 0 °C...100 °C (32 °F...212 °F)		0.1 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)	
Resolution	0.01 pH / 1 mV / 0.1 °C		Automatic range / 0.00...19.99 psu / 0.1 °C	
Error limits	± 0.01 pH / ± 1 mV / ± 0.5 °C		± 0.5% of the measured value / ± 0.3 °C	
Calibration	3 points 4 predefined buffer groups	2 points 4 predefined buffer groups	1 point 3 predefined standards	
Input	BNC, Impedance > 10 ⁶ +12 Ω Cinch, NTC 30 kΩ / Reference: 2 mm		Mini-DIN	
Temperature-compensation	ATC & MTC		Linear: 0.00%/°C...10.00%/°C Reference temperature: 20 & 25 °C	
Display	Liquid crystal			
Housing	ABS/PC reinforced			
Power supply	100-240 V / 50-60 Hz / 9V DC			
Size/weight	200 x 175 x 52 mm / 0.6 kg			

Ordering Codes & Scope of Supply

Instrument	Description	Order No.
FEP20-Basic	FiveEasy Plus pH instrument incl. operating manual, "Quick Guide", power adapter	51302914
FEP20-ATC Kit	FiveEasy Plus instrument and accessories as with FEP20 Basic, also with LE438 pH electrode, electrode arm, 2 x pH 4.01 and 2 x pH 7.00 buffer sachets	51302915
FE20-Basic	FiveEasy pH instrument incl. operating manual, "Quick Guide", power adapter	51302910
FE20-Kit	FiveEasy instrument and accessories as with FE20 Basic, also with LE409 pH electrode, electrode arm, 2 x pH 4.01 and 2 x pH 7.00 buffer sachets	51302911
FE20-ATC Kit	FiveEasy instrument and accessories as with FE20 Basic, also with LE438 pH electrode, electrode arm, 2 x pH 4.01 and 2 x pH 7.00 buffer sachets	51302916
FEP30-Basic	FiveEasy Plus conductivity instrument incl. operating manual, "Quick Guide", power adapter	51302935
FEP30-Kit	FiveEasy Plus instrument and accessories as with FEP30 Basic, also with LE703 conductivity probe, electrode arm, 2 x 1413 µS/cm and 2 x 12.88 mS/cm standard sachets	51302936
FE30-Basic	FiveEasy conductivity instrument incl. operating manual, "Quick Guide", power adapter	51302912
FE30-Kit	FiveEasy instrument and accessories as with FE30 Basic, also with LE703 conductivity probe, electrode arm, 2 x 1413 µS/cm and 2 x 12.88 mS/cm standard sachets	51302913