

pH-метры настольные CARL ROTH pH 50 VioLab, Lab 855, FiveEasy F20, SevenCompact S220, S220 Basic, S220 Bio kit, S220 Uni kit, S220 Micro kit, S220 Standard

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Table pH meters



Benchtop pH meters pH 50 VioLab

Dostmann.

- Large screen with simultaneous display of pH or mV value and temperature
- Automatic or manual temperature compensation
- Automatic calibration
- Saves the current calibration
- Confirmation when a stable measured value is reached

Technical specifications:

Art. No.	HAE2.1	HAE3.1
Type	pH 50 VioLab Basic	pH 50 VioLab set
Parameters	pH, Redox, Temperature	
pH measuring range	0 to 14	
pH resolution	0,01 pH	
pH accuracy	±0.01	
Voltage measuring range	-1999 to +1999 mV	
Voltage resolution	1 mV	
Voltage accuracy	±1 mV	
Temperature measuring range	0 to +100 °C	
Temperature resolution	0.1 °C	
Temperature accuracy	±0.5 °C (+5 to +60 °C), ±1 °C (outside)	
Temperature sensor	NTC 30 kΩ	
Calibration points	1/2/3 (pH)	
Calibration memory	Current calibration	
Data memory	25 measurements	
Port	without	
Connection	BNC (pH), Cinch (°C)	
L x W x H	160 x 190 x 70 mm	
Power supply	Mains adapter	
Mains connection	100–240 V, 50/60 Hz	

Basic

Delivery incl. NT55 external temperature gauge, buffer solutions (pH 4.01 and 7.00, each 50 ml), electrode holder and mains adapter.

Without pH single-rod measuring cell, please order separately.

Type	Art. No.	Pack Qty.
pH 50 VioLab Basic	HAE2.1	1 unit(s)

Set

For common aqueous samples.

201T pH single-rod measuring cell with integrated temperature gauge. pH range: 0 to 14. Operating temperature: 0 to +60 °C, ceramic diaphragms, gel electrolyte, plastic shaft. Shaft length/Ø: 120/12 mm.

Delivery incl. 201T pH single-rod measuring cell, buffer solutions (pH 4.01 and 7.00, each 50 ml), electrode holder and mains adapter.

Type	Art. No.	Pack Qty.
pH 50 VioLab set	HAE3.1	1 unit(s)



Benchtop pH meters Lab 855

SI Analytics.

- Large easy-to-use LCD screen and clearly laid out keypad
- Simultaneous display of pH or mV value and temperature
- Can analyse and store current calibration data
- Adjustable calibration interval
- Stability control for identifying stable measured values
- Automatic or manual temperature compensation
- Suitable for battery and mains operation
- Can be set to switch off automatically when battery-operated

BlueLine 14 pH single-rod measuring cell with integrated temperature gauge. pH range: 0 to 14. Operating temperature: -5 to +100 °C. Platinum diaphragms, liquid electrolyte, plastic shaft, shaft length/Ø: 120/12 mm.

Technical specifications:

Art. No.	EPH2.1
Type	Lab 855
Parameters	pH, Redox, Temperature
pH measuring range	-2 to +19
pH resolution	0,001
pH accuracy	±0.005
Voltage measuring range	-2000 to +2000 mV
Voltage resolution	0,1 mV, 1 mV
Voltage accuracy	±0,3 mV, ±1 mV
Temperature measuring range	-5 to +105 °C
Temperature resolution	0.1 °C
Temperature accuracy	±0.1 °C
Temperature sensor	NTC 30 kΩ, Pt 1000
Calibration points	1/2/3 (pH)
Calibration memory	Current calibration
Connection	DIN 19262 (pH), Banana, 2 x 4 mm (°C)
L x W x H	230 x 190 x 80 mm
Power supply	Mains adapter or 4 x 1.5 V AA batteries
Mains connection	100–240 V, 50/60 Hz

Delivery incl. BlueLine 14 pH single-rod measuring cell, buffer solutions (pH 4.00 and 7.00), electrolyte solution (3 mol/l KCl), tripod, universal mains connector and batteries.

Type	Art. No.	Pack Qty.
Lab 855	EPH2.1	1 unit(s)



Table pH meters



Benchtop pH meters

Mettler-Toledo.

- Space-saving design with large display
- Simple, user-friendly menu
- Automatic or manual temperature compensation
- Automatically or manually end a measurement; with acoustic and visual endpoint signal
- Automatic calibration with four predefined buffer groups
- Displays the current calibration

Technical specifications:

Art. No.	HY56.1	PE70.1	TE49.1	TE50.1
Type	FiveEasy™ F20 – Basic	FiveEasy™ F20 – Standard	FiveEa- syPlus™ FP20-Basic	FiveEa- syPlus™ FP20-Stan- dard
Parameters	pH, Redox, Temperature			
pH measuring range	0 to 14		-2 to +16	
pH resolution	0,01			
pH accuracy	±0.01			
Voltage measuring range	-2000 to +2000 mV			
Voltage resolution	1 mV			
Voltage accuracy	±1 mV			
Temperature measuring range	0 to +100 °C		-5 to +105 °C	
Temperature resolution	0.1 °C			
Temperature accuracy	±0.5 °C		±0.3 °C	
Temperature sensor	NTC 30 kΩ			
Calibration points	1/2/3 (pH)		1/2/3/4/5 (pH)	
Calibration memory	Current calibration			
Data memory			200 measured values	
Port	without		RS 232 (for printers), USB-B (for PC)	
ISM Technology	No			
Connection	BNC (pH), Cinch (°C)			
L x W x H	227 x 147 x 70 mm			
Power supply	Mains adapter			
Mains connection	100–240 V, 50/60 Hz			

FiveEasy™ F20 – Basic

Delivery incl. buffer solutions (pH 4.01, 7.00 and 9.21), electrode holder and 12 V mains adapter.

Without pH single-rod measuring cell, please order separately.

Type	Art. No.	Pack Qty.
FiveEasy™ F20 – Basic	HY56.1	1 unit(s)

FiveEasy™ F20 – Standard

For aqueous samples, including emulsions and suspensions.

LE438 pH single-rod measuring cell with integrated temperature gauge. pH range: 0 to 14. Operating temperature: 0 to +80 °C. Nylon diaphragms, gel electrolyte, plastic shaft. Shaft length/Ø: 120/12 mm.

Delivery incl. LE438 pH single-rod measuring cell, buffer solutions (pH 4.01, 7.00 and 9.21), electrode holder and 12 V mains adapter.

Type	Art. No.	Pack Qty.
FiveEasy™ F20 – Standard	PE70.1	1 unit(s)

FiveEasyPlus™ FP20-Basic

Delivery incl. buffer solutions (pH 4.01, 7.00 and 9.21), electrode holder and 12 V mains adapter.

Without pH single-rod measuring cell, please order separately.

Type	Art. No.	Pack Qty.
FiveEasyPlus™ FP20-Basic	TE49.1	1 unit(s)

FiveEasyPlus™ FP20-Standard

For aqueous samples, including emulsions and suspensions.

LE438 pH single-rod measuring cell with integrated temperature gauge. pH range: 0 to 14. Operating temperature: 0 to +80 °C. Nylon diaphragms, gel electrolyte, plastic shaft. Shaft length/Ø: 120/12 mm.

Delivery incl. LE438 pH single-rod measuring cell, buffer solutions (pH 4.01, 7.00 and 9.21), electrode holder and 12 V mains adapter.

Type	Art. No.	Pack Qty.
FiveEasyPlus™ FP20-Standard	TE50.1	1 unit(s)



Benchtop pH meters SevenCompact™ S220

Mettler-Toledo.

- All important data at a glance, thanks to the high-resolution colour display (4.3") with large digits and clear symbols.
- Simple and intuitive to use; menus with complete sentences in 12 languages.
- Electrode arm is easy to operate with one hand; electrode can be positioned securely by moving it up and down.
- Calibration with predefined and user-specific buffers and buffer groups is possible; calibration memory with optional sensor lock setting available; quality of the most recent sensor calibration shown directly via pH sensor symbol.
- Comprehensive safety functions both for routine measurements and measurements under strict GLP specifications.
- With two operating modes: In Routine mode, it is not possible to delete data or change settings; in Expert mode (secured with PIN code), all functions can be used by an authorised user.
- Internal measured value memory: Saving by pressing key or timed (intermittent) saving (interval can be set between 1 s and 40 min).
- USB ports for exporting data via USB stick (datasets are exported as a text (.txt) file) or for connecting a USB keyboard.
- Intelligent Sensor Management (ISM®) for automatic recognition of ISM® sensors and reading in calibration data.
- Sustainable with highest Energy Star rating for the power supply (low energy loss, low heat generation) and environmentally friendly packaging.

Table pH meters

Technical specifications:

Art. No.	TA09.1	1LAL.1	TA10.1	1LAN.1	1LAK.1
Type	S220 Basic	S220 Bio kit	S220 Uni kit	S220 Micro kit	S220 Standard kit
Sensor	without	InLab® Routine Pro-ISM®	InLab® Versatile Pro	InLab® Ultra-Micro-ISM®	InLab® Expert Pro ISM®
Parameters	pH, Redox, Ions, Temperature				
pH measuring range	-2 to +20				
pH resolution	0,001 / 0,01 / 0,1 pH				
pH accuracy	±0.002 pH				
Voltage measuring range	-2000 to +2000 mV				
Voltage resolution	0,1 / 1 mV				
Voltage accuracy	±0,2 mV				
Temperature measuring range	-5 to +105 °C				
Temperature resolution	0.1 °C				
Temperature accuracy	±0.1 °C				
Temperature sensor	NTC 30 kΩ, Pt 1000				
Calibration points	1/2/3/4/5 (pH)				
Calibration memory	current calibration (incl. date and time)				
Data memory	1000 data sets				
Port	RS 232, USB-A (printer), USB-B (PC)				
ISM Technology	Yes				
IP rating	54				
Connection	BNC (pH), Cinch (°C)				
L x W x H	204 x 174 x 74 mm				
Power supply	Mains adapter				
Mains connection	100–240 V, 50/60 Hz				

Basic

Delivery incl. electrode holder and protective casing.

Without pH single-rod measuring cell, please order separately.

Type	Art. No.	Pack Qty.	
S220 Basic	TA09.1	1 unit(s)	

Uni kit version

For general applications.

InLab® Versatile Pro pH single-rod measuring cell with integrated temperature sensor, quick and robust, but with no ISM support.

Delivery incl. InLab® Versatile Pro pH single-rod measuring cell, buffer solutions (pH 4.01, 7.00, 9.21 and 10.00, 2 x 20 ml of each), electrode holder and protective cover.

Type	Art. No.	Pack Qty.	
S220 Uni kit	TA10.1	1 unit(s)	

Standard kit

Wide range of applications including emulsions, suspensions, wastewater and solutions containing proteins and sulphides.

InLab® Expert Pro-ISM® pH single-rod measuring cell with integrated temperature gauge. PEEK shaft with excellent chemical and mechanical resistance for extreme strain. The use of a solid polymer as a reference electrolyte means that there is no diaphragm which could become clogged.

Delivery incl. InLab® Expert Pro-ISM® pH single-rod measuring cell, buffer solutions (pH 4.01, 7.00, 9.21 and 10.00, 2 x 20 ml of each), electrode holder and protective cover.

Type	Art. No.	Pack Qty.	
S220 Standard kit	1LAK.1	1 unit(s)	

Bio kit

For general aqueous solutions, high ionic strengths, hot samples, TRIS buffer.

InLab® Routine Pro-ISM® pH single-rod measuring cell with integrated temperature sensor, quick and extremely chemical-resistant. Tough HA diaphragm glass, specially designed for use at high pH values, reduces alkali errors to a minimum.

Delivery incl. InLab® Routine Pro-ISM® pH single-rod measuring cell, buffer solutions (pH 4.01, 7.00, 9.21 and 10.00, 2x 20 ml of each), electrode holder and protective cover.

Type	Art. No.	Pack Qty.	
S220 Bio kit	1LAL.1	1 unit(s)	

Micro kit

For measurements in small or narrow vessels (such as test tubes, vials and cuvettes) or for small sample volumes.

InLab® Ultra-Micro-ISM® pH single-rod measuring cell without integrated temperature sensor, with small shaft diameter.

Delivery incl. InLab® Ultra-Micro-ISM® pH single-rod measuring cell, buffer solutions (pH 4.01, 7.00, 9.21 and 10.00, 2x 20 ml of each), electrode holder and protective cover.

Type	Art. No.	Pack Qty.	
S220 Micro kit	1LAN.1	1 unit(s)	

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