

Lab 855, Lab 865, and Lab 955

Precise. Reliable. Selective.

The Lab 855, Lab 865, and Lab 955 unite the most modern measuring technology available along with new functionality such as AutoRead and CMC (measuring range monitoring) which makes lab measurements even more reliable.

The newly designed, clearly structured keyboards are adapted to operators' logic with tactile feedback as well as large, easy-to-read displays which are used to support and enhance the interface between the meter and the user.



Precise measurements ...

... with Lab 855 and Lab 955



Reliable documentation ...

... with Lab 865



Precise measurements...

... with Lab 855 and Lab 955.



Modern meters for everybody who wants to simply measure accurately.

The Lab 855 for pH and Lab 955 for conductivity measurements are perfectly suited benchtop meters for measurements in laboratories in the chemical and pharmaceutical industries as well as in medical labs.

Precise measurements

Users achieve reproducible measured results due to the active automatic AutoRead function with independent detection of stable measuring values. An adjustable calibration timer assists in an increased improvement of the accuracy.

Easy to operate

The user-friendly keyboard with large, easy to read LCD display, deliver all relevant information at a glance.

Type No.	Order No.	Description
Lab 855 Set	285206700	Simple, easy-to-use pH/mV benchtop meter (DIN) with universal power supply, stand and operating instructions, pH electrode BlueLine 14 pH, buffer solutions, 3 mol/l electrolyte solution.
Lab 955 Set	285206760	Simple, easy-to-use conductivity benchtop meter. Set includes conductivity measuring cell, device with universal power supply, stand, 4-pole graphite cell LF413T, and 0.01 mol/l KCl conductivity standard.



- ▶ Reproducible measuring results with active AutoRead function
- ▶ Simple calibration with adjustable calibration timer
- ▶ Intuitive operation with clearly arranged keyboard

Benefits
Lab 855 / Lab 955

Also available as application-oriented sets with sensors, including power supply and stand.

Reliable documentation...

... with Lab 865

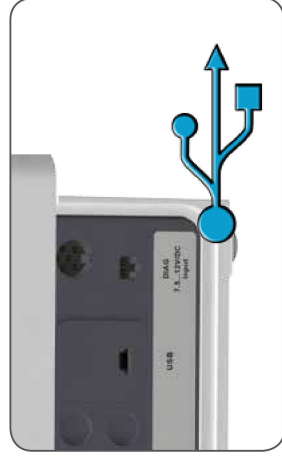


Precise measurements with documentation

The Lab 865 is perfect for pH measurements in quality assurance labs requiring the documentation for GLP. Built on the Lab 855 platform, the Lab 865 offers additional convenient functionality:

- Data transfer via USB interface
- Manual or timer controlled data logging of measured values .
- Protocols include date, time, and ID and sensors serial numbers for GLP compliance.
- Data is transferred in *.csv format.
- Excel Add-in included for the formatted output of all data and calibration protocols.

Also available as an application-oriented set with sensor, power supply and stand.



Data output in *.csv format

Lab 865

- USB interface for rapid data transfer

Type No.	Order No.	Description
Lab 865 Set	285206710	Measuring parameters pH, mV, temp., 5-point-cal., micropr., Mini USB-B, data storage, DIN 19282 connect. including stand, power supply, pH-temp. comb. electrode BlueLine 14-pH, calibr. solutions.



CMC function

Easy to use

Graphic display with text menu for easy handling.

pH measurement on sight

Optimize measuring results: With the new CMC function to monitor the congruency of measuring and calibration range for pH.

Benefits
Lab 865

Lab 855, Lab 865, and Lab 955

Connectivity



Lab 855



Lab 865



Lab 955



Technical data

Model	Lab 855	Lab 865	Lab 955
Temperature compensation	Automatic/manual	Automatic/manual	Automatic, can be switched off
Calibration points	1 to 3	1 to 5 pH, 2-7 ISE	1
Calibration records	1	10	1
Calibration timer	■	■	■
Memory entries		500/5000*	
Interface		Mini USB-B	
GLP/AQS supporting		■	
Display	LCD	Graphic b/w, backlit	LCD
Electrode connection	DIN	DIN	8-pin
Additional		CMC, input of sensor serial number	
Power supply	Battery or universal power supply	Battery or universal power supply	Battery or universal power supply
pH	-2.0 ... 20.0 ± 0.1 pH -2.00 ... 20.00 ± 0.01 pH -2.000 ... 19.999 ± 0.005 pH	-2.0 ... 20.0 ± 0.1 pH -2.00 ... 20.00 ± 0.01 pH -2.000 ... 19.999 ± 0.005 pH	
mV	± 1200.0 ± 0.3 mV ± (2000 ± 1) mV	± 1200.0 ± 0.3 mV ± (2500 ± 1) mV	
Temperature	-5.0 ... 105.0 °C ± 0.1 °C	-5.0 ... 105.0 °C ± 0.1 °C	
CMC	■	■	
Conductivity			0.00 ... 1000 mS/cm ± 0.5 % of meas. val. 0.000 ... 1.999 µS/cm, K = 0.01 cm ⁻¹ 0.000 ... 1.999 µS/cm, K = 0.01 cm ⁻¹ 0.00 ... 19.99 µS/cm, K = 0.1 cm ⁻¹ 0.00 ... 199.9 MΩcm
Specific resistance			0.01 cm ⁻¹
Cell constants fix			0.450 ... 0.500 cm ⁻¹ 0.800 ... 0.880 cm ⁻¹
with calibration adjustable			0.090 ... 0.110 cm ⁻¹ 0.250 ... 2.500 cm ⁻¹ 0.0 ... 70.0 (nach IOT)
Salinity			1 ... 1999 mg/l
TDS			-5.0 ... 105.0 °C ± 0.1 °C 20 °C/25 °C
Temperature			
T _{ref}			
Temperature compensation			none, nIF 0.000 ... 3.000 %/K

all measured values ± 1 decimal place

* manual/automatic