

Laboratory pH Meters, Schott-Instruments

CG 842 for routine applications

Few keys make this pH meter easy to use, which comes in an attractive design. The relevant data are output on the large multifunctional display (75 × 60 mm). In battery mode, up to 3000 hours of continuous work can be performed without the cumbersome power cord. Alternatively, the optional power supply unit enables power-saving operation at configured measuring station. Calibration can be done using a number of methods with stored DIN, technical and freely selectable buffers. The measuring instrument determines the current state of the measuring chain from the calibration data and symbolically displays this information on the display. A shiftable drift control checks the stability of the measuring signal and ensures reproducibility of the measurement.

Technical data:

Measurement ranges:

pH:	-2.000 to +16.000; resolution max. 0.001
mV:	-1999.9 to +1999.9; resolution max. 0.1
Temperature:	-5 to +99.9°C (man. -20 to +130°C); resolution 0.1 K
Calibration:	
DIN-/Tech. buffers:	automatic 2-point calibration
Random buffers:	conventional 1-/2-point calibration
Test stamps:	GS, CUL, UL
Warranty:	3 years

Matching probe for routine precision measurements, e.g.: pH combination electrode type BlueLine 14pH, with integrated temperature probe and fixed cable.



Article	Order No.
① CG 842	61 27 02609
CG 842/14 pH laboratory pH meter set	61 27 02641
with CG 842, pH/temp. combination electrode BlueLine 14 pH, stand set, calibration solution	

CG 843 with GLP functions

Precision pH meter with GLP supporting functions for quick and reliable pH measurements with data storage. The CG 843 provides an ultrahigh level of comfort, reliability and accuracy for all application areas. In addition, the CG 842 has GLP functions, such as calibration protocolling and measurement documentation including date, storage and identification number. The integrated real-time clock issues a reminder for the pending calibration at a given time. The integrated interface with self-detecting output can be used to hook up to a printer, recorder (analog) or PC.

CG 843 P with GLP functions and integrated printer

Has the same technical data and performance characteristics as the CG 843. The additional, integrated printer enables GLP measurement documentation to be made directly at the workstation. The plug-in power supply unit required for printing comes with the shipment.

Technical data:

Measurement ranges:

pH:	-2.000 to +16.000; resolution max. 0.001
mV:	-1999.9 to +1999.9; resolution max. 0.1
Temperature:	-5 to +99.9°C (man. -20 to +130°C); resolution 0.1 K
Calibration:	
DIN-/Tech. buffers:	automatic 2-/3-point calibration
Random buffers:	conventional 1-/2-point calibration
Calibration interval check:	1 to 999 days
data memory:	800 data sets
Time-ctrl'd saving:	800 data sets in 7 intervals (5 sec to 60 min)
Test stamps:	GS, CUL, UL
Warranty:	3 years

Matching probe for routine precision measurements, e.g.: pH combination electrode type BlueLine 14pH, with integrated temperature probe and fixed cable.

Article	Order No.
② CG 843	61 27 02617
③ CG 843 P	61 27 02633
CG 843/14 pH laboratory pH meter set	61 27 02658
with CG 843, pH/temp. combination electrode BlueLine 14 pH, stand set, calibration solution	
CG 843 P/14 pH laboratory pH meter set	61 27 02666
with CG 843 P, pH/temp. combination electrode BlueLine 14 pH, stand set, calibration solution	

Accessories

Article	Order No.
Z 853 stand set for laboratory pH meter	61 27 04926
Z 850 wide-band power supply unit, 230 and 120 V	61 27 04889
Z 854 printer paper, document-approved, 3 rolls	61 27 04934
Z 394 connecting cable for analog recorder	61 27 04942
Z 395 interface cable to PC	61 27 04959
BlueLine 14 pH-temp. combination electrode	61 27 29147

