

Laboratory Conductometers, Schott-Instruments

CG 853 with GLP function

Precision conductivity meter with GLP supporting functions for quick and reliable conductivity measurements with data storage. The CG 853 provides an ultrahigh level of comfort, reliability and accuracy for all application areas.

The relevant data are output on the large multifunctional display (75 × 60 mm). In battery mode, up to 2500 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 stations.

The CG 853 has GLP functions, such as calibration protocoling and measurement documentation including date, storage and identification number. The integrated real-time clock makes online documentation possible. The integrated interface with self-detecting output can be used to hook up to a printer, recorder (analog) or PC. The type of temperature compensation is selectable and can be done either automatically or manually.

CG 853 P with GLP functions and integrated printer

Has the same technical data and performance characteristics as the CG 853. 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:

Conductivity: 0.0 $\mu\text{S}/\text{cm}$ to 500 mS/cm ; resolution max. 0.001 $\mu\text{S}/\text{cm}$

Salinity: 0.0 to 70.0; resolution 0.1

Total dissolved solids (TDS): 0 to 1999 mg/l ; resolution 1 mg/l

Temperature: -5 to +99.9°C (man. -20 to +130°C); resolution 0.1 K

Temp. compensation: non-linear, linear (0.1 to 2.99%/°K), none

Time constant: 0.250 to 2.500 selectable (or 0.1/0.01 fixed)

Data memory: 800 data sets

Time-controlled saving: 800 data sets in 7 intervals (5 sec to 60 min)

Test stamps: GS, CUL, UL

Warranty: 3 years

Sensors suitable for routine precision measurement, e.g.:

2-pole conductivity cell LF 513 T, with integrated temperature probe and fixed cable

4-pole conductivity cell LF 613 T, with integrated temperature probe and fixed cable



Article	Order No.
① CG 853 with GLP functions	61 27 00702
② CG 853 with GLP functions and integrated printer	61 27 00719
CG 853/613 T laboratory conductometer complete set	61 27 00727
with CG 853, conductivity cell LF 613 T, stand set, calibration solutions	
CG 853 P/613 T laboratory conductometer complete set	61 27 00735
with CG 853 P, conductivity cell LF 613 T, 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
LF 513 T, 2-pole conductivity measuring cell with integrated temperature sensor and fixed cable	61 27 06037
LF 613 T, 4-pole conductivity measuring cell with integrated temperature sensor and fixed cable	61 27 06131

