

Conductivity and Temperature Measuring Instrument WinLab® Data Line, WINLAB®



WINLAB®

With integrated data logger and water-tight housing

Conductivity and temperature measurement instrument (-100 to 400°C) in one device.
Easy to operate, robust and water tight.

Technical features

- Simultaneous conductivity or TDS or salinity and temperature display
- Automatic sensor recognition, Pt 100 or PTC. The sensor type is shown on the display
- Extra input for temperature measurement
 - a) for PTC sensor with 5 m or 10 m cable, specially for water depth temperature measurement
 - b) for PT 100 sensor to give precise temperature measurements in the range -100 to 400°C
- Cell constant can be set individually from 0,050 to 3,999 cm⁻¹
- Temperature coefficient selectable, linear and non-linear per EN 27888/linear range from 0,000 to 2,999%/°C adjustable

The very robust housing is ideal for outdoor use and is shock resistant, dust proof and waterproof (per IP 66 and IP 67) with rubber surface to provide good grip.

The display is 14 mm high, easy to read and shows measured variable, electrode status, electrode errors, calibration intervals, calibration errors, date, time, etc.

With scratch-resistant mineral glass plate as display cover.

The data Logger

- Up to 250 data records as standard feature, complete with display of measurement value, measured variable, measuring point, date and time.
- WinLab automatically initiates measurements at the time you want, so that you can easily perform continuous measurements (up to 250 measurements)
- RS 232 interface for immediate data transfer to your PC (with software Hyper terminal, refer to Windows 95 and 98)

Technical data:

Meas. range:	0.10 to 39.99 µS / 20.0 to 399.9 µS / 200 to 3999 µS 2.00 to 39.99 mS / 20.0 to 399.9 mS °C PTC -50.0 to +150.0 0 to 3999 ppm TDS 2% ±1 ppm Pt 100 -100.0 to +399.9 NTC 30 -5.0 to 105.0
Accuracy:	0.5% ±0.05 µS / 0.5% ±0.1 µS / 0.5% ±1 µS 0.5% ±0.01 mS / 2% ±0.1 mS to 20 mS and 6% from 100 to 399 mS °C PTC 0.2°C + 0.2% v.M. Pt 100 0.2°C + 0.4% v.M. NTC 30 0.2°C
Power supply:	4 × A4 alkaline batteries

Article	Order No.
① WinLab® Data Line measuring instrument (without electrode and accessories)	61 03 20001

Article	Order No.
WinLab® Data Line Software	61 03 10040
for the administration of measurement data and documentation by all WinLab Data Line measuring instruments, with Excel dataexport and transfer.	

WinLab® Profi-Box

The innovative carrying case version with integrated stand for calibration and measurement. The insert cover provides additional working space. It is easy to clean as is the entire interior and the case containing polypropylene molded inserts.

Article	Order No.
② WinLab® Profi-Box Set 1	61 03 20020

Consisting of:
WinLab® conductivity/temperature meter, WinLab® LF standard electrode.
Set of buffer solutions 2 × 100 ml, 1413 µS and 12.88 mS at 25°C,
neatly stored in a WinLab® Profi Box with measuring stand.

Article	Order No.
③ WinLab® desk box	61 03 00065

for all portable WinLab Data Line measuring instruments in the laboratory, complete with electrode stand, KCL solution and storage aids for temperature sensors and electrodes.

Article	Order No.
④ WinLab Standard conductivity electrode	61 03 20030

With integrated temperature sensor. Cell constant approx. 0.5 to 0.6. Graphite four-ring electrode. 120 mm long, 12 mm Ø.

①



②



③



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⑤ **WinLab® LF test solutions**

With test work certificate acc. to EN 10204-2.3. Reference temperature 25°C

Article	Volume ml	Order No.
Conductivity testing solution 1413 µS	250	61 03 11413
Conductivity testing solution 1413 µS	500	61 03 21413
Conductivity testing solution 12.88 mS	250	61 03 11288
Conductivity testing solution 12.88 mS	500	61 03 21288
Conductivity testing solution 111.8 mS	250	61 03 11118
Conductivity testing solution 111.8 mS	500	61 03 21118

