

# ProLab 3000: measure pH as at a PC

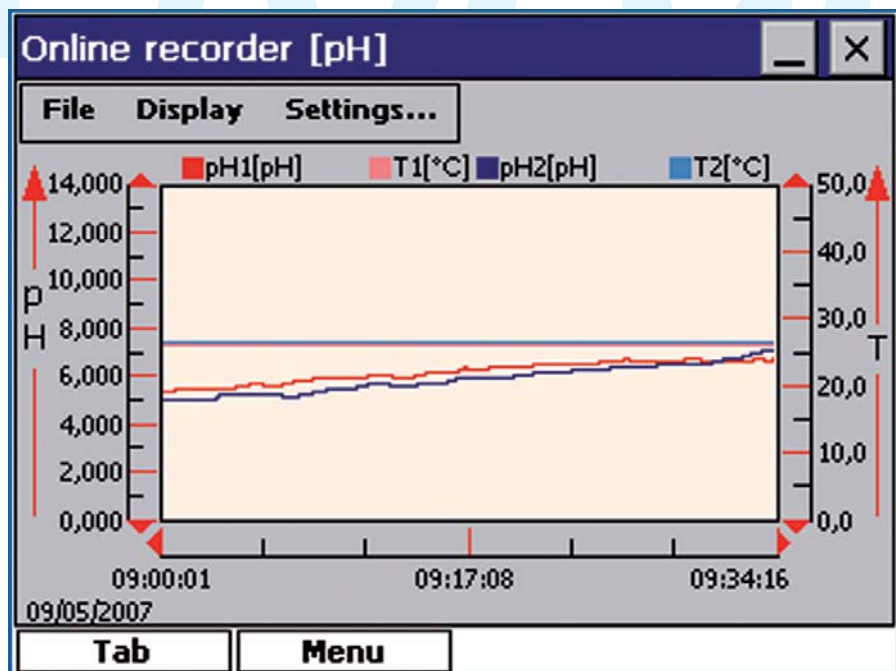
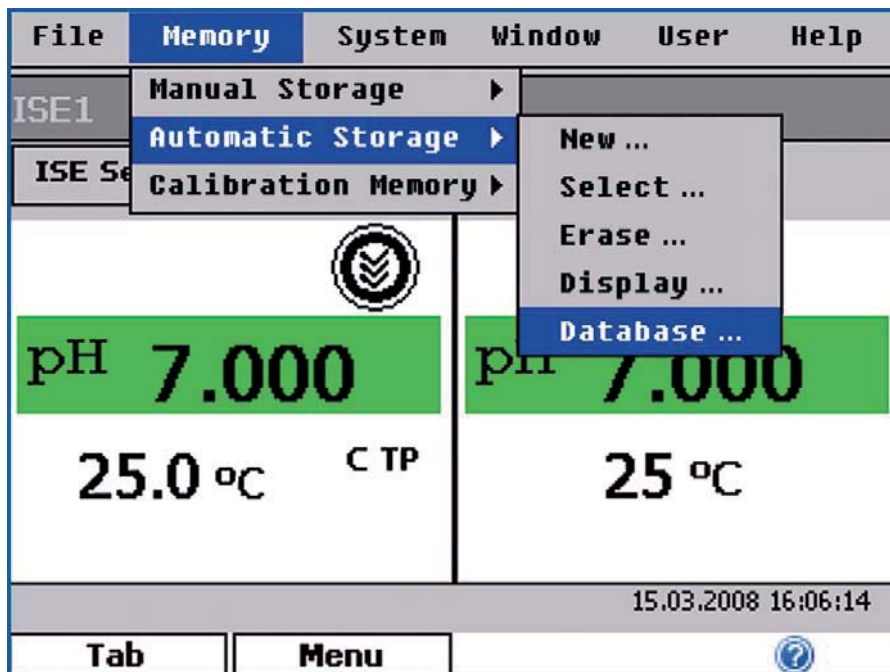


## High end pH/ION meter ProLab 3000:

The first pH meter with integrated PC

### Operate it like „Windows“

The menu structure which is similar to windows can be operated just like a PC via the menu keys on the instrument or by using the mouse, which is part of the delivery scope. For example the entry of text and numbers for inserting file names can be carried out either by using the numeric keypad or an external keyboard. Mouse and keyboard can be used at the same time, as the USB (host) interface can be extended by a hub.



Flexible display of measurements on a brilliant colour graphic display

The colour intensive QVGA colour graphic display (320 x 240 pixels) is backlit for high resolution and gives good readability even from a side distance of 2 to 3 meters. The measurement display can easily be switched to full display of a measuring channel or multiple display of different measuring parameters (pH, mV, ISE). Another option is the completely flexible setting of the "recorder" display regarding the measurement sequences of all parameters against time.

Plug and Play

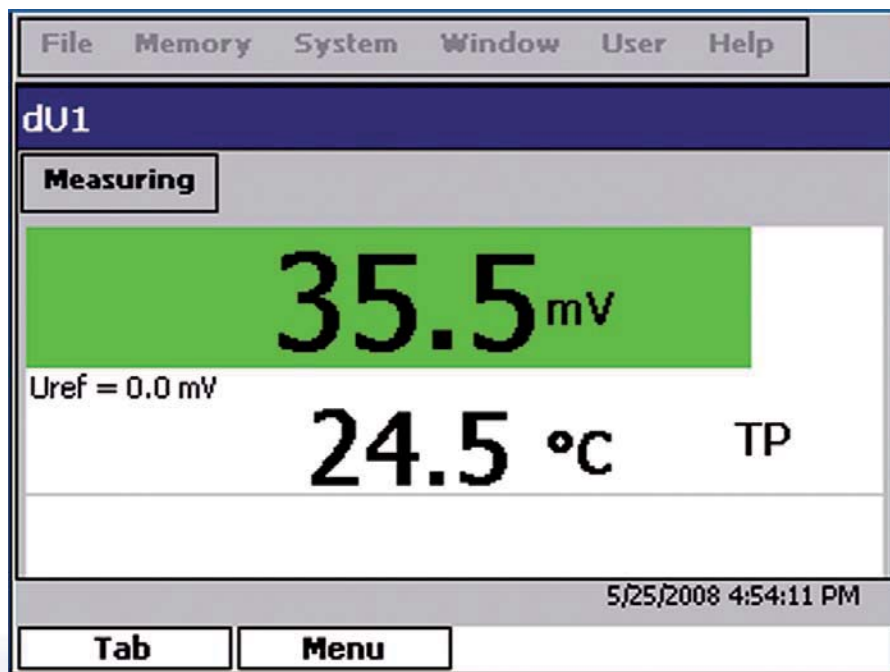
Easy connection of peripheral devices with the automatic recognition – no configuration required. The integrated USB host, USB slave and RS232 interfaces enable the instrument to communicate with mouse, printer and barcode reader – when interconnecting a hub to the USB host even a parallel operation is possible.



## ProLab 3000: measure pH as at a PC

### ▲ Differential measurement made easy

Two galvanically separated pH entries allow simultaneous measurement of both pH sensors, even in the same vessel without causing any perturbation – with SCHOTT Instruments' ID electrodes providing automatic sensor recognition even unequivocally. On every pH channel a differential measurement against a reference value is possible.



## GLP thought out

### ▶ User recognition with electronic ID card incl. password entry

The automatic user recognition via transponder pendant enables access control and allocation of measurement values, calibrations etc. for each user. Hence it is automatically documented which user did what at a certain time. The security guaranteed through the access control is furthermore increased by the password protection.

### ▶ Sensor recognition – wireless and automatic

The new ID electrodes send their specific data wireless to the ProLab 3000 and 4000. It is therefore guaranteed that each electrode always uses the correct calibration and erroneous measurements are excluded – unequivocal even with 2-channel measurements!

The ProLab user specific display automatically adapts to the ID sensor and activates only the necessary and admissible operation structures - this guarantees a higher usage convenience through increased transparency.



- ▶ **Highest safety level with measurements and calibration through:**
  - **automized user identification**  
with electronic ID card through transponder technology with password entry
  - **wireless sensor recognition**  
ID electrodes and measuring instrument with automatic identification and data exchange
- ▶ **Measuring pH, mV, ISE – high precision with many special functions:**
  - 2-channel pH/mV measurement (galvanically separated)
  - differential measurement
  - professional ISE measuring with various addition/subtraction procedures
- ▶ **Operation via mouse or keyboard as at a PC**  
familiar menu structures and clear menu navigation
- ▶ **Plug and play** by state-of-the-art technology
- ▶ **Scope of delivery, set**
  - Measuring instrument (incl. mouse)
  - Electrode with integrated temperature sensor
  - Buffer solutions
  - Stand
  - Universal power supply unit
  - Cover

Advantages  
ProLab 3000

# Performance black on white ...

Measuring technology in detail...	Lab 850	Lab 860	Lab 870	Lab 960
<i>page</i>	<i>p. 8/9</i>	<i>p. 8/9</i>	<i>p. 8/9</i>	<i>p. 10/11</i>
<b>pH measurement</b>	■	■	■	
Range / Accuracy	-2.000 ... +19.999 pH -2.00 ... +19.99 pH	-2.000 ... +19.999 pH -2.00 ... +19.99 pH	-2.000 ... +19.999 pH -2.00 ... +19.99 pH	
Accuracy (for each measuring area) (±1 digit)	± 0.005 pH ± 0.01 pH	± 0.005 pH ± 0.01 pH	± 0.005 pH ± 0.01 pH	
Calibration: pre-programmed pH buffer sets	16	16	16	
Automatic buffer recognition and display	■	■	■	
pH calibration points max.	3	3	3	
VariCal: manual calibration with selectable buffers	–	–	–	
Dead stop function	–	–	–	
2-channel pH measurement (galvanically separated)	–	–	–	
<b>mV measurement</b>	■	■	■	
Range / Accuracy	-999.9 ... +999.9 mV -1999 ... +1999 mV	-999.9 ... +999.9 mV -1999 ... +1999 mV	-999.9 ... +999.9 mV -1999 ... +1999 mV	
Accuracy (for each measuring area) (±1 digit)	± 0.3 mV ± 1 mV	± 0.3 mV ± 1 mV	± 0.3 mV ± 1 mV	
AutoRange function (can be switched off)	■	■	■	
mV differential measurement	–	–	–	
2-channel mV measurement (galvanically separated)	–	–	–	
<b>ISE measurement</b>				
Range / Accuracy				
Display in %, ppm, mg/kg, mol/l				
Two separate ISE channels (with dedicated separate temperature channels)				
Methods				
ISE calibration points				
Standard concentrations				
<b>Conductivity measurement</b>				■
Range / Accuracy				0.000 µS/cm...500 mS/cm
TDS measurement with factor 0.4 ... 1.0				■
Salinity measurement acc. to Natural Sea Water Scale (UNESCO 1966b)				■
Accuracy in % from measuring value (± 1 digit)				0.5
Calibrated cell constant 0.450 ... 0.500 cm <sup>-1</sup> ; 0.585 ... 0.715 cm <sup>-1</sup> ; 0.800 ... 1.200 cm <sup>-1</sup> (calibration with control standard) d 0.01 mol KCl:				■
Adjustable cell constant 0.250 ... 2.500 cm <sup>-1</sup> and 0.090 ... 0.110 cm <sup>-1</sup>				■
Fixed cell constant 0.010 cm <sup>-1</sup>				■
Temperature compensation nLF / Lin (0.001 ... 3.000 %/K) / selectable				■
Temperature compensation purity water				■
Pre-programmed temperature coefficients for HCl, NaOH, NaCl and KCl				
Determination of temperature coefficients for one or multiple standards and known or unknown concentrations at various temperatures				
Reference temperature 20°C or 25 °C selectable				■

# ... the technical data

Lab 970	ProLab 1000	ProLab 2000	ProLab 3000	ProLab 4000
p. 10/11	p. 12/13	p. 14/15	p. 16 – 19	p. 20/21
■	■	■	■	■
	-2.000 ... +20.000 pH -2.00 ... +20.00 pH -2.0 ... +20.0 pH	-2.000 ... +20.000 pH -2.00 ... +20.00 pH -2.0 ... +20.0 pH	-2.000 ... +20.000 pH -2.00 ... +20.00 pH -2.0 ... +20.0 pH	-2.000 ... +20.000 pH -2.00 ... +20.00 pH -2.0 ... +20.0 pH
	± 0.003 pH ± 0.01 pH	± 0.003 pH ± 0.01 pH	± 0.002 pH ± 0.01 pH	± 0.002 pH ± 0.01 pH
	22	22	22	22
■	■	■	■	■
	5	5	5	5
	-	-	■	■
■	-	-	-	-
-	-	-	■	■
■	■	■	■	■
	-1999.9 ... +1999.9 mV -1999 ... +1999 mV	-1999.9 ... +1999.9 mV -1999 ... +1999 mV	-2200.0 ... +2200.0 mV -2200 ... + 2200 mV	-2200.0 ... +2200.0 mV -2200 ... + 2200 mV
	± 0.2 mV ± 1 mV	± 0.2 mV ± 1 mV	± 0.1 mV ± 1 mV	± 0.1 mV ± 1 mV
■	■	■	-	-
-	-	-	■	■
-	-	-	■	■
		■	■	■
		0.000 ... 10000 mg/l	1.0E-40 ... 9.9E39 mg/l	1.0E-40 ... 9.9E39 mg/l
		-	■	■
		-	■	■
		-	Std. Add., Double Std. Add., Std. Sub., Sample Add., Sample Sub., Blank Add., Blank Corr., Ref. Measur.	Std. Add., Double Std. Add., Std. Sub., Sample Add., Sample Sub., Blank Add., Blank Corr., Ref. Measur.
		2 ... 3	2 ... 9	2 ... 9
		0.01 ... 10 000 mg/l in 19 selectable concentrations	1.00E-30 ... 1.00E30 mg/l can be inserted	1.00E-30 ... 1.00E30 mg/l can be inserted
■		■		■
0.000 µS/cm...500 mS/cm		0.000 µS/cm...2000 mS/cm		0.000 µS/cm...2000 mS/cm
■		■		■
■		■		■
0.5		0.5		0.5
■		■		■
■		■		■
■		■		■
■		■		■
■		■		■
■		■		■
■		■		■
■		■		■
■		■		■
■		■		■

# The technical data continued...

Measuring technology in detail...	Lab 850	Lab 860	Lab 870	Lab 960
<i>page</i>	<i>p. 8/9</i>	<i>p. 8/9</i>	<i>p. 8/9</i>	<i>p. 10/11</i>
<b>D.O. measurement (O<sub>2</sub> dissolved)</b>				
Range / Accuracy:				
O <sub>2</sub> concentration				
O <sub>2</sub> saturation				
O <sub>2</sub> partial pressure				
Accuracy in % from measuring value (±1 digit) at an ambient temperature of 5...30 °C				
Salinity correction				
Calibration in calibration vessel with water vapor-saturated air				
<b>Temperature measurement</b>	■	■	■	■
Range / Accuracy	-5.0 ... +120.0 °C	-5.0 ... +120.0 °C	-5.0 ... +120.0 °C	-5.0 ... +120.0 °C
Accuracy (±1 digit)	± 0.1 °C	± 0.1 °C	± 0.1 °C	± 0.1 °C
Two separated temperature channels	-	-	-	-
Selectable °C / °F (Fahrenheit)	■	■	■	■
Automatic switch-over to manual temperature input when no temperature sensor is connected	■	■	■	■
<b>Design &amp; Quality</b>				
Display	LCD 75 x 60 mm	LCD 75 x 60 mm	LCD 75 x 60 mm	LCD 75 x 60 mm
Contrast adjustment via menu	-	-	-	-
Glass vision panel	-	-	-	-
Vision panel integrated in keyboard plastic foil	■	■	■	■
Measuring value storage (manual/automatic)	-	800 data sets, storage intervals from 5 s ... 60 min	-	800 data sets, storage intervals from 5 s ... 60 min
USB (slave) and RS232 interface		■	■	■
USB host interface: plug and play connection of USB hub, USB printer, USB memory, keyboard, mouse, USB stick				
Lower casing	plastic	plastic	plastic	plastic
Plastic foil keypad (polyester) with tactile response	■	■	■	■
Power supply: external universal power supply unit (medical approval) with country specific primary adapters, (primary: 100-240V, 50/60 Hz, secondary: 9V=1,5A)	■	■	■	■
built-in real-time clock (processor solution) battery buffered, exchangeable battery	■	■	■	■
Battery operation possible (4 mignon)	■	■	■	■
Battery switch-off automatic (adjustable 10 min ... 24 h, default 1 h, cannot be switched off)	■	■	■	■
Dimensions (W x H x D mm)	240 x 190 x 80	240 x 190 x 80	240 x 190 x 80	240 x 190 x 80
Weight	approx. 1.0 kg	approx. 1.0 kg	approx. 1.0 kg	approx. 1.0 kg
Compliance	CE, cETLus	CE, cETLus	CE, cETLus	CE, cETLus
Safety	protection class III, EG guidelines 73/23, EN 61010-1: 2001	protection class III, EG guidelines 73/23, EN 61010-1: 2001	protection class III, EG guidelines 73/23, EN 61010-1: 2001	protection class III, EG guidelines 73/23, EN 61010-1: 2001
Climate class	2 (VDI/VDE 3540)	2 (VDI/VDE 3540)	2 (VDI/VDE 3540)	2 (VDI/VDE 3540)
Complete delivery scope: - Instrument with cover, power supply unit and stand - set additionally with electrode and buffer	■	■	■	■
IQ and OQ documents available	■	■	■	■
Warranty 3 years	■	■	■	■

Lab 970 <i>p. 10/11</i>	ProLab 1000 <i>p. 12/13</i>	ProLab 2000 <i>p. 14/15</i>	ProLab 3000 <i>p. 16 – 19</i>	ProLab 4000 <i>p. 20/21</i>
		■		
		0...20.00 mg/l / 0.01 mg/l 0...90.0 mg/l / 0.1		
		0...200.0 % / 0.1 % 0...600 % / 1 %		
		0...200.0 mbar / 0.1 mbar 0...1250 mbar / 1 mbar		
		0.5		
		■		
		■		
■	■	■	■	■
-5.0 ... +120.0 °C	-10.0 ... +120.0 °C	-10.0 ... +120.0 °C	-35.0 ... +150.0 °C	-35.0 ... +150.0 °C
± 0.1 °C	± 0.1 °C	± 0.1 °C	± 0.1 °C	± 0.1 °C
-	-	-	■	■
■	■	■	■	■
■	■	■	■	■
LCD 75 x 60 mm	black & white graphic 120 x 90 mm with lighting	black & white graphic 120 x 90 mm with lighting	QVGA colour graphic display 120 x 90 mm with lighting	QVGA colour graphic display 120 x 90 mm with lighting
-	■	■	-	-
-	■	■	■	■
■	-	-	-	-
-	1500 data sets, storage intervals from 1 s ... 60 min	1500 data sets, storage intervals from 1 s ... 60 min	> 10000 data sets, storage intervals from 1 s ... 60 min	> 10000 data sets, storage intervals from 1 s ... 60 min
■	■	■	■	■
			■	■
plastic	metal diecast	metal diecast	metal diecast	metal diecast
■	■	■	■	■
■	■	■	■	■
■	■	■	■	■
■	-	-	-	-
■	-	-	-	-
240 x 190 x 80	240 x 280 x 70	240 x 280 x 70	240 x 280 x 70	240 x 280 x 70
approx. 1.0 kg	approx. 2.5 kg	approx. 2.5 kg	approx. 2.5 kg	approx. 2.5 kg
CE, cETLus	CE, cETLus	CE, cETLus	CE, cETLus	CE, cETLus
protection class III, EG guidelines 73/23, EN 61010-1: 2001	protection class III, EG guidelines 73/23, EN 61010-1: 2001	protection class III, EG guidelines 73/23, EN 61010-1: 2001	protection class III, EG guidelines 73/23, EN 61010-1: 2001	protection class III, EG guidelines 73/23, EN 61010-1: 2001
2 (VDI/VDE 3540)	2 (VDI/VDE 3540)	2 (VDI/VDE 3540)	2 (VDI/VDE 3540)	2 (VDI/VDE 3540)
■	■	■	■	■
■	■	■	■	■
■	■	■	■	■



# Order information

Type no.	Order no.	Product	Description
<b>Lab series</b>			
<b>Lab 850</b>	285201300	Laboratory pH Meter	Measuring parameters pH, mV, temp., microprocessor, DIN 19262 connection. Including cover Z 880, stand S4D Z 865 and power supply Z 850.
<b>Lab 850 Set</b>	285201310	Laboratory pH Meter	Measuring parameters pH, mV, temp., microprocessor, DIN 19262 connection. Including cover Z 880, stand S4D Z 865, power supply Z 850, pH-temp. combination electrode BlueLine 14 pH, calibration solutions (DIN).
<b>Lab 850 BNC</b>	285201360	Laboratory pH Meter	Measuring parameters pH, mV, temp., microprocessor, BNC connection. Including cover Z 880, stand S4D Z 865 and power supply Z 850.
<b>Lab 850 BNC Set</b>	285201370	Laboratory pH Meter	Measuring parameters pH, mV, temp., microprocessor, BNC connection. Including cover Z 880, stand S4D Z 865, power supply Z 850, pH-temp. combination electrode BlueLine 15 pH, calibration solutions (DIN).
<b>Lab 860</b>	285201320	Laboratory pH Meter	Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, data storage for 800 data sets, GLP conform, DIN 19262 connection. Including cover Z 880, stand S4D Z 865 and power supply Z 850.
<b>Lab 860 Set</b>	285201330	Laboratory pH Meter	Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, storage for 800 data sets, GLP conform, DIN 19262 connection. Incl. cover Z 880, stand S4D Z 865, power supply Z 850, pH-temp. combination electrode BlueLine 14 pH, calibration solutions (DIN).
<b>Lab 860 BNC</b>	285201380	Laboratory pH Meter	Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, data storage for 800 data sets, GLP conform, BNC connection. Including cover Z 880, stand S4D Z 865 and power supply Z 850.
<b>Lab 860 BNC Set</b>	285201390	Laboratory pH Meter	Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, storage for 800 data sets, GLP conform, BNC connection. Including cover Z 880, stand S4D Z 865, power supply Z 850, pH-temp. combination electrode BlueLine 15 pH, calibration solutions (DIN).
<b>Lab 870</b>	285201340	Laboratory pH Meter	Electrode recognition. Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, DIN 19262 connection. Including cover Z 880, stand S4D Z 865 and power supply Z 850.
<b>Lab 870 Set</b>	285201350	Laboratory pH Meter	Electrode recognition. Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, DIN 19262 connection. Including cover Z 880, stand S4D Z 865, power supply Z 850, pH-temp. combination electrode BlueLine 14 pH ID, calibration solutions (DIN).
<b>Lab 870 BNC</b>	285201400	Laboratory pH Meter	Electrode recognition. Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, BNC connection. Including cover Z 880, stand S4D Z 865 and power supply Z 850.
<b>Lab 870 BNC Set</b>	285201410	Laboratory pH Meter	Electrode recognition. Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, BNC connection. Including cover Z 880, stand S4D Z 865, power supply Z 850, pH-temp. combination electrode BlueLine 15 pH ID, calibration solutions (DIN).
<b>Lab 960</b>	285201420	Laboratory Conductivity Meter	Measuring ranges 0.000 µS/cm...500 mS/cm, salinity, total dissolved solids (TDS), temp., RS 232 C and USB (slave) interface, microprocessor, data storage for 800 data sets, GLP conform. Including cover Z 880, stand S4D Z 865 and power supply Z 850.
<b>Lab 960 Set</b>	285201430	Laboratory Conductivity Meter	Measuring ranges 0.000 µS/cm...500 mS/cm, salinity, total dissolved solids (TDS), temp., RS 232 C and USB (slave) interface, microprocessor, data storage for 800 data sets, GLP conform. Including cover Z 880, stand S4D Z 865, power supply Z 850, conductivity cell LF 413 T and conductivity testing solution.
<b>Lab 970</b>	285201440	Laboratory Conductivity Meter	Sensor recognition. Measuring ranges 0.000 µS/cm...500 mS/cm, salinity, total dissolved solids (TDS), temp., RS 232 C and USB (slave) interface, microprocessor, GLP conform. Including cover Z 880, stand S4D Z 865 and power supply Z 850.
<b>Lab 970 Set</b>	285201450	Laboratory Conductivity Meter	Sensor recognition. Measuring ranges 0.000 µS/cm...500 mS/cm, salinity, total dissolved solids (TDS), temp., RS 232 C and USB (slave) interface, microprocessor, GLP conform. Including cover Z 880, stand S4D Z 865, power supply Z 850, conductivity cell LF 413 T ID and conductivity testing solution.
<b>ProLab series</b>			
<b>ProLab 1000</b>	285201700	Digital laboratory pH Meter	Electrode recognition and user identification. Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, DIN 19262 connection. Including cover Z 881, stand S4D Z 865 and power supply Z 850.
<b>ProLab 1000 Set</b>	285201710	Digital laboratory pH Meter	Electrode recognition and user identification. Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, DIN 19262 connection. Including cover Z 881, stand S4D Z 865, power supply Z 850, pH-temp. combination electrode A 161 1M-DIN-ID, calibration solutions (DIN).
<b>ProLab 1000 BNC</b>	285201720	Digital laboratory pH Meter	Electrode recognition and user identification. Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, BNC connection. Including cover Z 881, stand S4D Z 865 and power supply Z 850.
<b>ProLab 1000 BNC Set</b>	285201730	Digital laboratory pH Meter	Electrode recognition and user identification. Measuring parameters pH, mV, temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, BNC connection. Including cover Z 881, stand S4D Z 865, power supply Z 850, pH-temp. combination electrode A 161 1M-BNC-ID, calibration solutions (DIN).
<b>ProLab 2000</b>	285201740	Digital laboratory multi Meter	Electrode recognition and user identification. Measuring parameters pH, mV, ISE, conductivity, D.O. and temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, DIN 19262 connection. Including cover Z 881, stand S4D Z 865 and power supply Z 850.
<b>ProLab 2000 Set</b>	285201750	Digital laboratory multi Meter	Electrode recognition and user identification. Measuring parameters pH, mV, ISE, conductivity, D.O. and temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, DIN 19262 connection. Including cover Z 881, stand S4D Z 865, power supply Z 850, pH-temp. combination electrode A 161 1M-DIN-ID, combined conductivity and D.O. sensor LFOX 1400 ID, calibration solutions (DIN), conductivity testing solutions.

Type no.	Order no.	Product	Description
<b>ProLab 2000 BNC</b>	285201760	Digital laboratory multi Meter	Electrode recognition and user identification. Measuring parameters pH, mV, ISE, conductivity, D.O. and temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, BNC connection. Including cover Z 881, stand S4D Z 865 and power supply Z 850.
<b>ProLab 2000 BNC Set</b>	285201770	Digital laboratory multi Meter	Electrode recognition and user identification. Measuring parameters pH, mV, ISE, conductivity, D.O. and temp., microprocessor, RS 232 C and USB (slave) interface, GLP conform, BNC connection. Including cover Z 881, stand S4D Z 865, power supply Z 850, pH-temp. combination electrode A 161 1M-BNC-ID, combined conductivity and D.O. sensor LFOX 1400 ID, calibration solutions (DIN), conductivity testing solutions.
<b>ProLab 3000</b>	285203600	Digital laboratory pH Meter	Electrode recognition and user identification. QVGA colour display. Menu based operation. Recorder function. Measuring parameters: double-pH, mV, Temp, ISE. RS232, USB host + USB slave interfaces. DIN connection. Incl. Z880, Z865 + Z850.
<b>ProLab 3000 Set</b>	285203610	Digital laboratory pH Meter	Electrode recognition and user identification. QVGA colour display. Menu based operation. Recorder function. Measuring parameters: conductivity + double-pH, mV, Temp, ISE. RS232, USB host + USB slave interfaces. DIN connection. Incl. Z880, Z865 + Z850. Z880, Z865, Z850, IL-pHT-A170MF-DIN-N, DIN buffers.
<b>ProLab 3000 BNC</b>	285203620	Digital laboratory pH Meter	Electrode recognition and user identification. QVGA colour display. Menu based operation. Recorder function. Measuring parameters: double-pH, mV, Temp, ISE. RS232, USB host + USB slave interfaces. BNC connection. Incl. Z880, Z865 + Z850..
<b>ProLab 3000 BNC Set</b>	285203630	Digital laboratory pH Meter	Electrode recognition and user identification. QVGA colour display. Menu based operation. Recorder function. Measuring parameters: double-pH, mV, Temp, ISE. RS232, USB host + USB slave interfaces. BNC connection. Incl. Z880, Z865, Z850, IL-pHT-A170MF-BNC-N, DIN buffers.
<b>ProLab 4000</b>	285203640	Digital laboratory multi Meter	Electrode recognition and user identification. QVGA colour display. Menu based operation. Recorder function. Measuring parameters: conductivity + double-pH, mV, Temp, ISE. RS232, USB host + USB slave interfaces. DIN connection. Incl. Z880, Z865 + Z850.
<b>ProLab 4000 Set</b>	285203650	Digital laboratory multi Meter	Electrode recognition and user identification. QVGA colour display. Menu based operation. Recorder function. Measuring parameters: conductivity + double-pH, mV, Temp, ISE. RS232, USB host + USB slave interfaces. DIN connection. Incl. Z880, Z865, Z850, IL-pHT-A170MF-DIN-N, LF413TID, DIN buffer, conductivity testing solution.
<b>ProLab 4000 BNC</b>	285203660	Digital laboratory multi Meter	Electrode recognition and user identification. QVGA colour display. Menu based operation. Recorder function. Measuring parameters: conductivity + double-pH, mV, Temp, ISE. RS232, USB host + USB slave interfaces. BNC connection. Incl. Z880, Z865 + Z850.
<b>ProLab 4000 BNC Set</b>	285203670	Digital laboratory multi Meter	Electrode recognition and user identification. QVGA colour display. Menu based operation. Recorder function. Measuring parameters: conductivity + double-pH, mV, Temp, ISE. RS232, USB host + USB slave interfaces. BNC connection. Incl. Z880, Z865, Z850, IL-pHT-A170MF-BNC-N, LF413TID, DIN buffer, conductivity testing solution.
<b>Accessories</b>			
<b>Logbook Lab 850</b>	285201800	Logbook	for Lab 850 (DIN and BNC) incl. review by SCHOTT Instruments after resending the filled in documents.
<b>Logbook Lab 860</b>	285201810	Logbook	for Lab 860 (DIN and BNC) incl. review by SCHOTT Instruments after resending the filled in documents.
<b>Logbook Lab 870</b>	285201820	Logbook	for Lab 870 (DIN and BNC) incl. review by SCHOTT Instruments after resending the filled in documents.
<b>Logbook Lab 960</b>	285201840	Logbook	for Lab 960 incl. review by SCHOTT Instruments after resending the filled in documents.
<b>Logbook Lab 970</b>	285201850	Logbook	for Lab 970 incl. review by SCHOTT Instruments after resending the filled in documents.
<b>Logbook ProLab 1000</b>	285201830	Logbook	for ProLab 1000 (DIN and BNC) incl. review by SCHOTT Instruments after resending the filled in documents.
<b>Logbook ProLab 2000</b>	285201860	Logbook	for ProLab 2000 (DIN and BNC) incl. review by SCHOTT Instruments after resending the filled in documents.
<b>Logbook ProLab 3000</b>	285203680	Logbook	for ProLab 3000 (DIN and BNC) incl. review by SCHOTT Instruments after resending the filled in documents.
<b>Logbook ProLab 4000</b>	285203690	Logbook	for ProLab 4000 (DIN and BNC) incl. review by SCHOTT Instruments after resending the filled in documents.
<b>Z 390</b>	285201560	Cable for connection to PC	RS 232 6pole cable for connection to PC for Lab 860, Lab 870, Lab 960 and Lab 970 as well as for all instruments being part the ProLab series
<b>Z 396</b>	285201580	Software	Software for documentation for Lab 860, Lab 870, Lab 960, Lab 970, handylab 12 as well as for all instruments being part of the ProLab series
<b>Z 850</b>	285204889	Power supply	Universal power supply unit, 230 and 120 V for the Lab- and ProLab-meter family
<b>Z 865</b>	285201520	Stand set S4D	Stand set S4D, including arm and electrode holder for the Lab- and ProLab-meter family
<b>Z 875</b>	285201540	USB cable	for Lab 860, Lab 870, Lab 960 and Lab 970 as well as for all instruments of the ProLab-meter series with USB (slave)
<b>Z 876</b>	285201890	Transponder	User recognition transponder for ProLab instruments
<b>Z 880</b>	285201550	Cover	for the Lab-meter family
<b>Z 881</b>	285201880	Cover	for the ProLab-meter family
<b>Z 890</b>	285203700	Universal paper printer	Star SP-712 (9-matrix printer). Easy paper load. Serial interface. Dimensions: 160 (width) x 245 (depth) x 152 (height) mm. Weight 2.96 kg. Integrated power supply..
<b>Z 891</b>	285203710	ink ribbon (black)	for printer Z 890. Product life cycle: 3 million characters.
<b>Z 892</b>	285203720	printer paper role	for printer Z 890, 1 piece. Universal paper. Width 76 mm. External diameter 80 mm, inner core 12 mm.
<b>Z 893</b>	285203730	Connecting cable	for connection of printer Z 890 to the ProLab meters (except Lab 850) and ProLab-meter family.
	285209081	Manufacturer certificate	for pH-Meter, conductivity meter and pH/mV simulators from SCHOTT Instruments