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PC 7

pH - mV/ORP - COND - Temperature

PC 70

pH - mV/ORP - COND - TDS - Temperature - GLP
Data Logger USB - Mains supply and battery



The Future Starts Now



PC7

pH - mV/ORP - COND - Temperature



PC70

pH - mV/ORP - COND - TDS Temperature - GLP Data Logger USB



The Future starts now

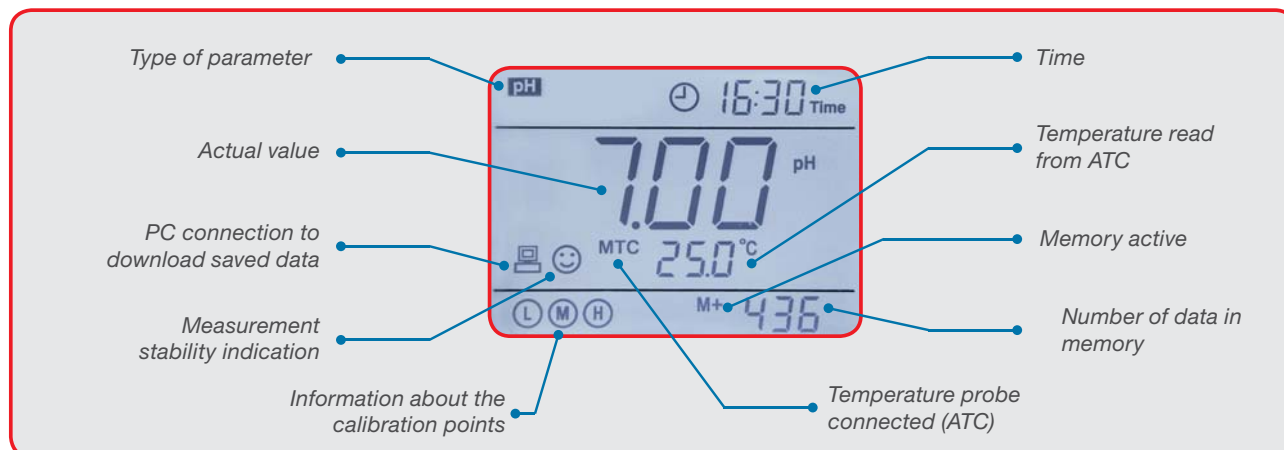
A group of European experts in electrochemistry and a famous Asian producer have developed this new line of portable and bench top meters, finding the right balance between the design and ease of use.

An elegant and ergonomic case, with a practical soft rubber and IP57 protection, has inside the best of technology.

A large display (backlight for PC70) shows all information that you need about the measurement, electrode's life and instrument's memory. All the functional parameters of connected electrode, during measurement or calibration, are constantly checked and inform the operator for easy trouble-shooting.

Only 4 keys for PC7 (6 for PC70) allow the user to control all functions in an intuitive and easy way.

A practical USB port (PC70), covered to guarantee waterproof protection, allows to download data (with date of last calibration done) power the instruments by computer or with power supply 220V/USB included.



Accessories and spare parts

	Code	Description		
	50002002	pH electrode mod. 201T with integrated temperature sensor for pH 7 and pH 70, cable length 1 m with BNC plug	BNC/Cinch	
	50002022	pH electrode mod. 201T/5 with integrated temperature sensor for pH 7 and pH 70, cable length 5 m with BNC plug	BNC/Cinch	
	32105302	ORP electrode for pH 7 and pH 70, cable length 1 m with BNC plug	BNC	
	32105102	ORP electrode/5 for pH 7 and pH 70, cable length 5 m with BNC plug	BNC	
	32380253	Gel Glass (pH GEL). pH electrode with S7 head. Glass body for general application. Dimensions (LxØ) mm 120 x 12, cylindrical membrane. Filled with gel maintenance	S7	
	50004002	Cond. Cell mod. 2301 T with ATC, C=1,0. range 10 µS...200 mS, cable length 1 m	BNC/Cinch	
	50004022	Cond. Cell mod. 2301 T/5 with ATC, C=1,0. range 10 µS...200 mS, cable length 5 m	BNC/Cinch	
	50004012	Cond. Cell VPT 51/01 with ATC, C=0,1. range 0,1 µS...1 mS, cable length 1 m	BNC/Cinch	
	50002012	NT 55 temperature probe for PC7 and PC70		
	50010172	Power supply and USB cable for PC70		
	50000112	Electrode holder with flexible arm		



Strong carrying case with all accessories to be used as a small portable laboratory



Electrode holder for field application with 3 holes



Electrode holder for use on laboratory bench (optional)



Connections for probes



Main Features

- Display pH/mV/Conductivity/TDS and Temperature parameters simultaneously

pH:

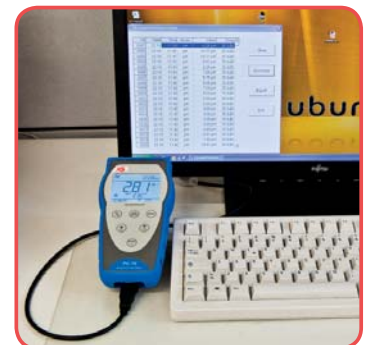
- Selectable resolution: 0,1/0,01 pH
- Automatic calibration up to 3 points with 2 selectable pH-buffer sets (USA and NIST)
- Manual calibration up to 2 points with user-defined pH-Buffer
- Stability parameter (Low-Med-High) for high accuracy measurement

Conductivity:

- Automatic calibration from 1 to 4 points between 4 conductivity standard values
- Manual calibration at 1 point (User defined)
- Automatic and manual compensation of temperature with reference value 15...30 °C
- Large Display (backlight for PC70) with indication of standards used for calibration and stability
- Waterproof IP57 protection
- Strong carrying case with all accessories to be used as a small portable laboratory

...only for PC 70

- TDS measurement with adjustable factor
- GLP
- Memory recall of last calibration with control of cell constant, date and time
- CAL DUE : set of calibration frequency for high quality measurements
- Data logger, manual and automatic with 500 memory values with date and time
- USB port to download data and power by Computer or power supply (included)
- Software PC-Link to download data (included)



Computer connection with USB cable



USB port to transfer Data and power by computer or power supply (PC70)



Technical specifications	PC 7	PC 70
pH measuring range	0,00...14,00 pH	-2,00...16,00 pH
Resolution	0,1/0,01 pH	0,1/0,01 pH
Calibration points	1, 2 o 3	
Buffer recognized		USA: 1,68 - 4,01 - 7,00 - 10,01 pH NIST: 1,68 - 4,01 - 6,86 - 9,18 pH 2 points defined by user
Indication of the Slope and Offset	Yes	Yes with date and time
GLP Function	-	Yes
Criteria of measurement stability	Yes	Yes
CAL DUE	-	Yes
Indication of calibration point	Yes	Yes
mV measuring range	± 1.000 mV	± 1.999 mV
Resolution	1 mV	0,1 mV (± 200 mV) / 1mV (above)
COND measuring range	0,0...199,9 mS	0,00...199,9 mS
Resolution	0,1/1 µS 0,01/0,1 mS	0,01/0,1/1 µS 0,01/0,1 mS
Calibration points		1...4
Calibration standards recognized		84 µS – 1413 µS – 12,88mS – 111,9 mS 1 point user defined
Cell constant selectable		0,1 – 1 – 10 cm ⁻¹
Temperature coefficient		0,00...10,00 %/°C
Reference temperature		15...30 °C
GLP Function	-	Yes
CAL DUE	-	Yes
Indication of calibration standards	Yes	Yes
TDS measuring range	-	0...100 g/l
Resolution	-	1% f.s.
TDS Factor	-	0,4...1,0
Temperature measuring range	0...100,0 °C	-10...110 °C
Resolution / Accuracy		0,1 °C / ± 0,5 °C
Temperature compensation		Automatic / manual 0...100 °C
Temperature compensation cond.	Automatic / manual 0...80 °C	Automatic / manual 0...100 °C
System: GLP	-	Yes
Memory	-	Man/ Auto 500 data with date and time
Auto power off		After 20 minutes
Display	LCD (Liquid Crystal Display)	LCD (Liquid Crystal Display) Backlight
Inputs	BNC and Jack phono (CAT)	BNC, Jack phono (CAT) and USB
Power supply	3 x 1,5V batteries AAA	3 x 1,5V batteries AAA AC/DC adaptor with USB cable
Battery duration		> 300 hours
IP protection		Waterproof IP 57
Dimensions / weight instrument	86 x 196 x 33 mm / 295 g	86 x 196 x 33 mm / 300 g
Dimensions / weight carrying case	385 x 300 x 115 mm / 1720 g	385 x 300 x 115 mm / 1725 g



pH Series
pH 7 - pH 70



Conductivity Series
COND 7 - COND 70

Code	Description
50010712	PC 7 complete kit include pH electrode 201T and conductivity cell 2301T with integrated ATC, both with 1m cable and BNC plug
50010722	PC 7 kit without pH electrode complete of cond. Cell 2301T with ATC, S7/ BNC cable and temperature probe NT 55.
50010732	PC 7 kit without cond. Cell complete of pH electrode 201T with ATC.
50010742	PC 7 kit with pH electrode and cond. cell, S7/ BNC cable and temperature probe NT 55 are provided.
50010812	PC 70 complete kit include pH electrode 201T and conductivity Cell 2301T with integrated ATC, both with 1m cable and BNC plug, power supply, software PC-Link to download data, and USB cable.
50010822	PC 70 kit without electrode complete of cond. Cell 2301T with ATC, S7/ BNC cable, temperature probe NT 55, power supply, software PC-Link to download data, and USB cable.
50010832	PC 70 kit without cond. Cell complete of pH electrode 201T con ATC, power supply, software PC-Link to download data and USB cable.
50010842	PC 70 without pH electrode and cond. Cell, cavo S7/ BNC, temperature probe NT 55, power supply, software PC-Link to download data and USB cable are provided

Always provided:

pH buffer solutions coloured and conductivity standards, electrode holder for field with 3 holes, carrying case and accessories.



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