



# PC 7

pH - mV/ORP - COND - Temperature

# PC 70

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



*The Future Starts Now*





## PC7

pH - mV/ORP - COND - Temperature

## PC70

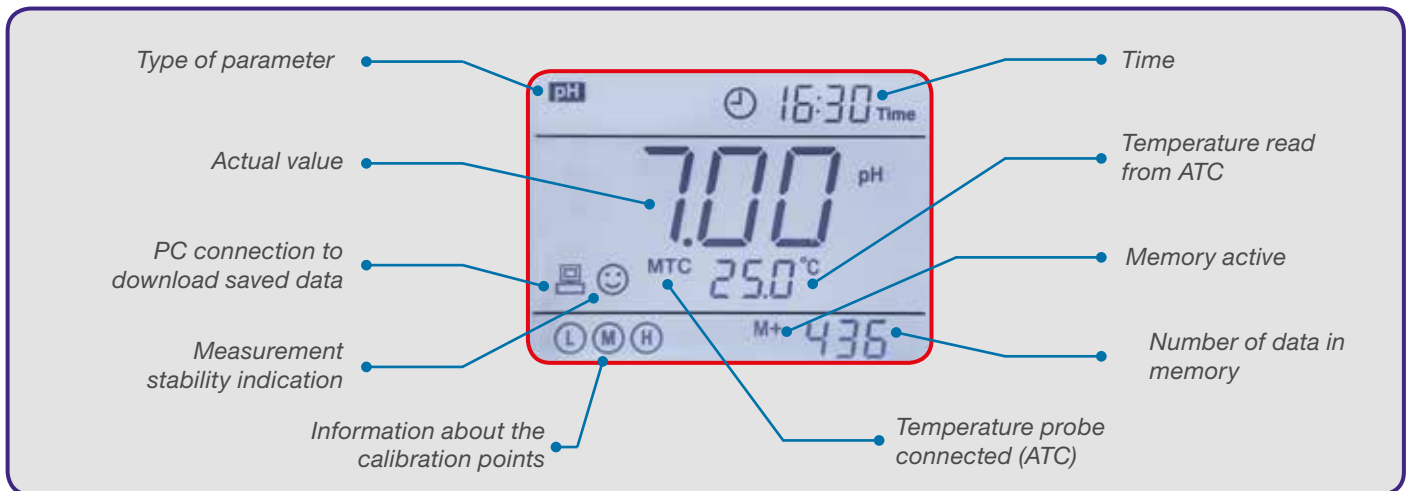
pH - mV/ORP - COND - TDS - SALT Temperature - GLP Data Logger USB



### 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/RCA-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/RCA-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
	32200203	Gel pH electrode with S7 head. Glass body for general application. Dimensions (LxØ) mm 120 x 12, cylindric membrane. Filled with gel maintenance free.	S7
	50004002	Cond. Cell mod. 2301 T with ATC, C=1,0. range 10 µS...200 mS, cable length 1 m	BNC/RCA-Cinch
	50004022	Cond. Cell mod. 2301 T/5 with ATC, C=1,0. range 10 µS...200 mS, cable length 5 m	BNC/RCA-Cinch
	50004012	Cond. Cell VPT 51/01 with ATC, C=0,1. range 0,1 µS...1 mS, cable length 1 m	BNC/RCA-Cinch
	50002012	NT 55 temperature probe for PC7 and PC70	RCA-Cinch
	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/SALT 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
- SALT measurement
- 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
<b>pH</b> 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 or 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
CALDUE	-	Yes
Indication of calibration point	Yes	Yes
<b>mV</b> measuring range	± 1.000 mV	± 1.999 mV
Resolution	1 mV	0,1 mV (± 200 mV) / 1mV (above)
<b>COND</b> measuring range	0,0...200-2000 µS / 20,00-200,0 mS	0,00...20,00-200,0-2000 µS/20,00-200,0 mS
Resolution	0,1/1 µS 0,01/0,1 mS	0,01/0,1/1 µS 0,01/0,1 mS
Relative accuracy	±2% f.s.	±2% f.s.
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 <sup>-1</sup>	
Temperature coefficient	0,00...10,00 %/°C	
Reference temperature	15...30 °C	
GLP Function	-	Yes
CAL DUE	-	Yes
Indication of calibration standards	Yes	Yes
<b>TDS</b> measuring range	-	0...100 g/l
Resolution	-	1% f.s.
TDS Factor	-	0,4...1,0
<b>SALT</b> measuring range	-	0...50 ppt
<b>Temperature</b> measuring range	0...100,0 °C	-10...110 °C
Resolution / Accuracy	0,1 °C / ± 0,5 °C	
Temperature compensation pH	Automatic / manual 0...100 °C	
Temperature compensation COND	Automatic / manual 0...80 °C	Automatic / manual 0...100 °C
<b>System:</b> 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 RCA / CINCH (CAT)	BNC, RCA / CINCH (CAT) and USB
Power supply	3 x 1,5V batteries AA	3 x 1,5V batteries AA 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**  
pH 7 - pH 70



**Conductivity**  
COND 7 - COND 70

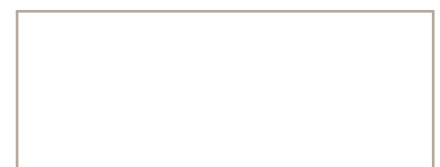
### How to order

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

DISTRIBUTED BY:



GUARANTEED BY:

**GIORGIO BORMAC**  
s.r.l.

