

# IONIX INSTRUMENTS

PC10 / PC50  
**HANDHELD SERIES**  
pH - mV/ORP - COND - Temperature



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



Double Junction  
Electrodes  
as standard



Connections for probes



USB port for data transfer  
and power supply  
(PC50)



## Features

- Waterproof IP57 protection
- Strong carrying case with all accessories to be used as a small portable laboratory
- Double junction electrodes as standard
- More than 300 hours of use with 3x AA batteries

## pH

- Selectable resolution: 0,1/0,01 pH
- Automatic calibration up to 3 points with 2 selectable pH-buffer sets (USA and NIST)

## Conductivity

- Automatic calibration from 1 to 4 points between 4 conductivity standard values
- Automatic and manual compensation of temperature

## ...only for PC 50

- TDS measurement with adjustable factor
- GLP
- Memory recall of last calibration with control of cell constant, date and time
- Calibration interval alarm function
- Data logger (manual and automatic) with 500 memory values with date and time
- USB port for data transfer and power supply
- PC Link Software included



PC 10 / PC 50

## HANDHELD TESTER SPECIFICATIONS



**PC 10**



**PC 50**

<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) / 1 mV (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	0,1/1µS 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 - 12,88 mS - 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

Distributor:



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www.ionixinstruments.com