

IONIX INSTRUMENTS

EC10 / EC50 HANDHELD SERIES

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
(EC50)



Features

- Large easy-to-read LCD Screen (with backlight for EC50)
- Displays Conductivity and Temperature simultaneously
- Automatic calibration from 1 to 4 points between 4 conductivity standard values
- Automatic and manual compensation of temperature
- Waterproof IP67 protection
- Strong carrying case with all accessories to be used as a small portable laboratory
- More than 200 hours of use with 3x AA batteries
- Double junction electrodes as standard

...only for EC 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



HANDHELD TESTER SPECIFICATIONS



EC 10



EC 50

COND measuring range	0,0...200-2000 μ S / 20,000-200,0 mS	0,00...20,00-200,0-2000 μ S/20,00-200,0 mS
Resolution	0,1/1 μ S 0,01/0,1 mS	0,01/0,1/1 μ S 0,01/0,1 mS
Relative accuracy	$\pm 2\%$ f.s.	$\pm 2\%$ f.s.
Calibration points	1...4	1...4
Calibration standards ricongnized	84 μ S - 1413 μ S - 12,88 mS - 111,9 mS 1 point user defined	
Cell constant selectable	0,1 - 1 - 10 cm^{-1}	
Temperature coefficient	0,00...10,00 $\%/^{\circ}\text{C}$	
Reference temperature	15...30 $^{\circ}\text{C}$	
GLP Function	-	Yes
CALDUE	-	Yes
Indication of calibration standards	Yes	Yes
TDS measuring range	-	0...100 g/l
Resolution	-	1% f.s.
TDS factor	-	0,4...1,0
SALT measuring range	-	0...50 ppt
Temperature measuring range	0...100,0 $^{\circ}\text{C}$	-10...110 $^{\circ}\text{C}$
Resolution / Accuracy	0,1 $^{\circ}\text{C}$ / $\pm 0,5$ $^{\circ}\text{C}$	
Temperature compensation	Automatic / manual 0...80 $^{\circ}\text{C}$	Automatic / manual 0...100 $^{\circ}\text{C}$
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 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 life	> 200 hours	
IP protection class	Waterproof IP57	
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



IONIX INSTRUMENTS
www.ionixinstruments.com

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