SensoDirect 150



All in one Hand-held Meter

The SensoDirect 150 combines the features of several hand-held meters. It is designed for multi purpose operation and measures pH/Redox, dissolved oxygen and conductivity/TDS.

The SensoDirect 150 incorporates an intuitive user interface, large, easy to read display and is supplied with a sturdy handy case with electrodes, buffer solution and accessories.

SensoDirect 150

Display	Large LCD display with contrast adjustment
Parameter	pH: 0 to 14.00 pH ORP: ± 1999 mV Conductivity: 200 µS / 2 mS / 20 mS / 200 mS TDS (Total Dissolved Solids): Dissolved Oxygen: 0 to 20.0 mg/l
Data Logger	Real time data logger
Data Memory	Auto or manual data memory, 16000 data sets
Data Hold	Max, Min
Interface	USB, RS232
Probes	pH, ORP, Conductivity/TDS, Dissolved Oxygen and Temperature
Power off	Auto shut off or manual off
Data Output	RS 232 PC serial interface
Power Supply	DC 1,5 V battery (UM3, AA) x 4 PCs or DC 9V adapter in
Software	Data acquisition software Data logger software
Dimensions	220 x 120 x 40 mm (L x B x H)
Weight	approx. 625 g (Instrument with batteries)
Approval	CE

pH/Redox/Temperature

Range	pH 0 to 14 PH mV -1999 mV to 1999 mV
Resolution	0 - 14 pH, 0.01 pH 0 - 1999 mV, 1 mV
Accuracy	0 - 14 pH, ± 0.02 pH + 2 digits 0 - 1999 mV, ± 0.5 % + 2 digits
Temperature Compensation	manual 0 - 100 °C automatic (ATC)
pH Calibration	pH 7, pH 4, and pH10, 3 points calibration

Dissolved Oxygen/Temperature

Range	Dissolved Oxygen 0 to 20.0 mg/l Oxygen in Air 0 to 100.0 % Temperature 0 to 50 °C
Resolution	Dissolved Oxygen 0.1 mg/l 0.1 % O_2 Temperature 0.1 °C
Accuracy (23± 5 °C)	Dissolved Oxygen ± 0.4 mg/l Oxygen in Air ± 0.7% O_2 Temperature ± 0.8 °C / 1.5 °F
Salinity Correction	0 to 39 % Salt
Air Pressure Compensation	0 to 8900 meter

Conductivity/TDS/Temperature

Range/ Resolution	**Conductivity** (µS, mS) 0 - 200.0 µS / 0.1 µS 0.2 - 2.000 mS / 0.001 mS 2 - 20.00 mS / 0.01 mS 20 - 200.00 mS / 0.1 mS **TDS** (Total Dissolved Solids) 0 - 132 ppm / 0.1 ppm 132 - 1,320 ppm / 1 ppm 1,320 - 13,200 ppm / 10 ppm 13,200 - 132,000 ppm / 100 ppm **Temperature** 0 - 60 °C / 0.1 °C 32 - 140 °F / 0.1 °F
Accuracy	± 2 % F.S. + 1 digit ± 0.8 °C / ± 1.5 °F
Function	Conductivity (µS, mS) TDS (Total Dissolved Solids, PPM) Temperature (°C,°F)

Accessories

Code	Article
721330	Spare electrode plastic/gel type BNC-plug
721250	pH buffer set 4.00/7.00/10.00 (25 °C)
721247	pH buffer, 4.00 (25 °C), 90 ml
721248	pH buffer, 7.00 (25 °C), 90 ml
721249	pH buffer, 10.00 (25 °C), 90 ml
721252	pH buffer 4.00 (25 °C) 1 litre
721254	pH buffer 7.00 (25 °C) 1 litre
721256	pH buffer 10.00 (25 °C) 1 litre
721242	Redox electrode plastic/gel type BNC-plug
195070	Redox calibration solution, 470 mV, 100 ml
724400	Conductivity probe (Con / TDS) (approx. 1.2 m cable)
722250	Calibration solution 1413 µS/cm
724410	Oxygen sensor, (approx. 4 m cable)
724460	Spare membrane for oxygen sensor
724470	Spare electrolyte for oxygen sensor
724420	Temperature probe PT1000 (approx. 1.5 m cable)
724500	RS232 cable for connection to a PC
724510	USB cable for connection to a PC
724540	Power supply
725050	Case incl. foam
724520	Data Retrieve Software Software which enables the user to transmit data stored on the instrument to a computer
724530	Data Logger / Acquisition Software Software which enables the user to monitor and log data on a computer (online measurement)

Delivery Content

Order code: 724200
SensoDirect 150 Set pH/Con/TDS/Oxi
instrument, batteries, pH electrode, temperature probe, conductivity probe, oxygen sensor, pH buffer set 4.00 / 7.00, electrolyte, membrane heads, instruction manual, warranty information, in case

Order code: 724210
SensoDirect 150 Set pH / Con / TDS
instrument, batteries, pH electrode, temperature probe, conductivity probe, pH buffer set 4.00 / 7.00, instruction manual, warranty information, in case

Order code: 724220
SensoDirect 150 Set pH / Oxi
instrument, batteries, pH electrode, temperature probe, oxygen sensor, pH buffer set 4.00 / 7.00, electrolyte, membrane heads, instruction manual, warranty information, in case

Order code: 724230
SensoDirect 150 Set pH / Redox
instrument, batteries, pH electrode, temperature probe, redox electrode, pH buffer set 4.00 / 7.00, instruction manual, warranty information, in case

Highlights

- pH/Redox
  Conductivity/TDS
  Dissolved Oxygen
  Temperature °C/°F
- Real time data logger
- Protective casing
- RS 232 / USB