

SX751 Portable pH/DO/ORP/EC/TDS/Salinity/Resistivity Meter



Main Features

- Equipped with the 201T-S pH electrode, the 301Pt-S ORP electrode, the 2301T-S conductivity/temp. electrode, and the DO500 polarographic electrode
- Precise, fast, and reliable measurement of pH, dissolved oxygen (DO), oxidation-reduction potential (ORP), conductivity (EC), TDS, salinity, resistivity, and temperature
- Fast and easy 1- to 3-point pH calibration and 1-point EC calibration
- Replaceable DO membrane cap (3 spare membrane caps and a matching refill solution are included in the kit)
- Electrode polarization takes only 5 minutes; the DO measurement reaches 90% response within 30 seconds
- The built-in memory function stores and recalls 400 data records
- IP57 rated, ideal for use in harsh environments
- Supplied as a complete test kit in a rugged carrying case

What's in the Kit

SX751 pH/Dissolved Oxygen (DO)/ORP/Conductivity (EC)/TDS/Salinity/Resistivity Meter	1
201T-S pH/temp. electrode + 301Pt-S ORP electrode + 2301T-S conductivity/temp. electrode	1 each
DO500 polarographic DO electrode	1
pH 4,00/pH 7,00/pH 10,01/1413 μ S calibration solution, 50 ml	1 each
DO502 electrolyte refill solution	1
DO503 membrane cap	3
Polishing paper for cleaning the electrode	1

AA battery	2
Screwdriver	1
Carrying case	1

Technical Parameters

pH	Measuring range	(-2,00 to 19,99) pH
	Resolution	0,1/0,01 pH
	Accuracy	Meter: ± 0.01 pH; overall: ± 0.02 pH
	Input current	$\leq 2 \times 10^{-12}$ A
	Input impedance	$\geq 1 \times 10^{12} \Omega$
	Stability	± 0.01 pH/3 h
	Temp.-Compensation	(0 to 100) °C (automatic)
Oxidation-reduction potential (ORP)	Measuring range (mV)	-1999 mV to 0 to 1999 mV
	Resolution	1 mV
	Accuracy	Meter: $\pm 0.1\%$ FS; overall: ± 15 mV
Conductivity (EC)	Measuring range	Conductivity: (0,00 to 19,99) $\mu\text{S/cm}$, (20,0 to 199,9) $\mu\text{S/cm}$ (200 to 1999) $\mu\text{S/cm}$, (2,00 to 19,99) mS/cm (20,0 to 199,9) mS/cm TDS: (0 to 100) g/L; Salinity: (0 to 100) ppt Resistivity: (0 to 100) $\text{M}\Omega\cdot\text{cm}$
	Resolution	0,01/0,1/1 $\mu\text{S/cm}$; 0,01/0,1 mS/cm
	Accuracy	Meter: $\pm 1,0\%$ F.S; overall: $\pm 1,5\%$ F.S
	Temp.-Compensation	(0 to 50) °C (automatic)
	Cell constant	0,1 / 1 / 10 cm^{-1}
	Reference temperature	25°C, 20°C, and 18°C
Dissolved Oxygen (DO)	Measuring range	(0 to 19,99) mg/L (ppm); (0 to 200,0) %
	Resolution	0,1/0,01 mg/L (ppm); 1/0,1 %
	Accuracy	$\pm 0,30$ mg/L (ppm), incl. electrode error
	Response time	≤ 30 s (90% response at 25°C)
	Temp.-Compensation	(0 to 45) °C (automatic)
	Salinity comp.	(0 to 45) ppt (automatic)
	Pressure comp.	(66 to 200) kPa (manual)
	Auto. calibration	Water-saturated air; air-saturated water
	Electrode type	Polarographic