

Portable Ion/pH/ORP Meter

TS-250

Graphical menu, Excellent operability



Comfortable

The streamlined design is not only beautiful, but also easy to hold.

Smart & Easy

Vertical display, and complete graphical icon with text information menu provide you the intuitive operation.

Professional & Reliable

Based on professional measurement theory & technology, the instrument has been carefully refined and designed to provide you with accurate and complete measurement solutions.

Product Specifications

Model	TS-250
Parameter	Ion/pH/ORP/Temperature
Measurement Range	Ion: ppm(mg/L): 0.001~999,999 mol/L: (μmol/L: 0.001~999.99, mmol/L: 1.000~999,999) pX: -2~20 pH: -2~20 ORP: -2000~2000mV Temp.: -10.0~110.0°C / 14.0~230.0°F
Resolution	Ion: ppm(mg/L): 0.001ppm, 0.01ppm, 0.1ppm, 1ppm mol/L: 0.001μmol/L, 0.01μmol/L, 0.001mmol/L, 0.01mmol/L, 0.1mmol/L, 1mmol/L pX: 0.001pX, 0.01pX, 0.1pX pH: 0.001pH, 0.01pH, 0.1pH ORP: 0.1mV/1mV Temp.: 0.1°C / 0.1°F or 0.01°C / 0.01°F
Accuracy	Ion: ppm(mg/L): ±0.5% mol/L: ±0.5% pX: ±0.005pX, ±0.01pX, ±0.1pX(±1Digit) pH: ±0.005pH, ±0.01pH, ±0.1pH(±1Digit) ORP: ±0.05%(±1Digit) Temp.: ±0.2°C / ±0.4°F (±1Digit) with temperature-error correction
Temperature Compensation	NTC30K / PT1000 Auto temperature compensation; Manual temperature compensation adjustment
Data storage	Auto/Manual, 50,000 sets (GLP confirm: Measurement, temp., time, date, user_group ID, sample No.) (Can be grouped and stored as a .txt file with a maximum of 1000 records per group)
Data transmitting	Micro USB(USB Micro-B)
Calibration	Ion: Up to 5 points calibration(Linear, Segmented) pH: Auto Tech, NIST, Manually any buffer, or customized definition buffer table mode, up to 5 points calibration(Linear) ORP: Relative potential adjustment range: ±300.0mV
Calibration reminder	Yes(GLP)
Calibration record	The last 10 calibration records(GLP)
pH sensor status	Yes
Passcode	Setting & Calibration passcode(GLP)
Auto power-off	Yes (Automatic shutdown time can be set)
Ambient temperature	0~50°C
Storage temperature	-20~70°C
Display	3" Graphic LCM backlight display, with manual brightness adjustment
Sensor connector	pH/mV: BNC (Input impedance > 10 ¹² Ω) Temperature: Banana
Power supply	4 x 1.5V AA or 1.2V NiMH Batteries Micro USB power delivery function (No battery charging function)

Battery Status	Yes
Battery life	380 hours without backlight or 200 hours with backlight (depends on battery energy storage capacity, up to 480 hours)
Dimensions	194mm x 82mm x 38mm (L X W X H)
Weight	243g
Protection	IP65

Order Information

Order Number	Description
TS-250	Intelligent Portable Ion/pH/ORP/Temp. Meter, IP65, , 50,000 set memory, 0.001pH resolution, Micro-usb, direct Ion unit with 5Point cal., Incl. 8-08-2 ATC probe, Buffer Solution pH 4.01, 7.00, Distilled Water (30ml each), Carrying Case

Optional Component

Order Number	Description
PH1000	pH combination electrode (PLASTIC BODY)
51343011	InLab Easy BNC pH combination electrode (PLASTIC BODY)
S510C-ORP	ORP Combination electrode (PLASTIC BODY)
8-03	pH buffer solution, pH4.01, 500ml
8-04	pH buffer solution, pH 7.00, 500ml
8-23	pH buffer solution, pH 10.00, 500ml
8-13	3 mol/l KCl solution, 500ml
8-ORP220-1	ORP Standard solution, 220mV, 250ml
8-15	Simplified Electrode Holder
FA1W-01	Flexible Electrode Holder
PS150	pH/mV Signal Simulator
DLL	Data Logger Software for Micro-usb meter

Spare Parts

Order Number	Description
8-08-2	Temperature Probe
8-32-1	Carrying Case

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