

# Portable pH/ORP Meter

TS-210 / TS-230

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-210	TS-230
Parameter	pH/ORP/Temperature	
Measurement Range	pH: -2~20 ORP: -2000~2000mV Temp.: -10.0~110.0°C / 14.0~230.0°F	
Resolution	pH: 0.01pH, 0.1pH ORP: 0.1mV/1mV Temp.: 0.1°C / 0.1°F or 0.01°C / 0.01°F	pH: 0.001pH, 0.01pH, 0.1pH
Accuracy	pH: ±0.01pH, ±0.1pH(±1Digit) ORP: ±0.05%(±1Digit) Temp.: ±0.2°C / ±0.4°F (±1Digit) with temperature-error correction	pH: ±0.005pH, ±0.01pH, ±0.1pH(±1Digit)
Temperature Compensation	NTC30K / PT1000 Auto temperature compensation; Manual temperature compensation adjustment	
Data storage	Auto/Manual, 100 sets (GLP confirm: Measurement, temp., time, date, user_group ID, sample No.)	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	None	Micro USB(USB Micro-B)
Calibration	pH: Auto Tech, NIST, Manually any buffer, or customized definition buffer table mode, up to 3 points calibration(Linear) ORP: Relative potential adjustment range: ±300.0mV	pH: Auto Tech, NIST, Manually any buffer, or customized definition buffer table mode, up to 5 points calibration(Linear)
Calibration reminder	Yes(GLP)	
Calibration record	The last calibration record(GLP)	The last 10 calibration records(GLP)
pH sensor status	Yes	
Passcode	None	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 function	
Sensor connector	pH/mV: BNC (Input impedance > 10 <sup>12</sup> Ω) Temperature: Banana	
Power supply	4 x 1.5V AA or 1.2V NiMH Batteries	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-210	Intelligent Portable pH/ORP/Temp. Meter, IP65, 100sets memory, Incl. 8-08-2 ATC probe, Buffer Solution pH 4.01, pH7.00, Distilled Water (30ml each), Carrying Case
TS-230	Intelligent Portable pH/ORP/Temp. Meter, IP65, 50,000 set memory, 0.001pH resolution, Micro-usb, Incl. 8-08-2 ATC probe, Buffer Solution pH 4.01, pH7.00, 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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