

Detect
Anytime
Anywhere

Quick
Accurate
and Stable

T50 Ion/pH/ORP Multifunctional Meter

- Three modes: ion concentration, pH, ORP
- Three types of electrode combinations are available for selection
- Color screen, easy to understand, can display potential difference
- The appearance design of the wine glass provides a stable and comfortable grip
- Measurement data storage, available for output and use



Various ion selective electrodes

glass shell pH/ ORP

plastic shell pH/ORP

Technical Specifications

Ion	measurement range	0.00 ~ 100000mg/L(ppm) →
	resolution	0.01 ~ 1 Based on the electrode
	measurement accuracy	±0.5mV
	calibration point	0.01,0.1,1,10,100,1000,10000 ppm
pH	measurement range	0.00-14.00pH
	resolution	0.01pH
	indication error	±0.02pH
	Up to 5 calibration points	NIST: 1.68, 4.01, 6.86, 9.18, 12.45
ORP	measurement range	-2000mV-2000mV
	resolution	1mV
	indication error	±0.2%FS
	calibration point	Calibration at any one or two points
Temp.	measurement range	-10°C-110°C
	resolution	0.1°C
	indication error	±0.2°C
Power supply	power supply	1800mA lithium battery
	battery charging	Type-C plug, charging input: 4.2V, 1A
other	Usage environment	-5°C-60°C; Relative humidity<90%
	Data storage/output	256 sets, Type-C interface output
	Dimensions	183*76*33mm (length, width, height)
	weight	260 grams

Selection of matching electrodes

For more detailed information, please contact us

Ion selective electrode	Model	Range ppm	pH range
Fluoride ion	CS6210F	0.02 -20000	5-8
Chloride ion	CS6210CL	1 -35,500	2-12
Ammonium ion	CS6210NH4	0.1 -18000	4-10
Ammonia gas sensitivity	CS6212NH3	0.01 -17000	> 11
Nitrite gas sensitivity	CS6212NO2	0.2 -220	1.1-1.7
Carbon dioxide gas sensitivity	CS6212CO2	10-100000	4.8-5.2
Nitrate ion	CS6210NO3	0.5 -62,000	2.5-11
Nitrite ion	CS6210NO2	10 -2200	2-12
Potassium ion	CS6210K	0.7 -98,000	2-12
Sodium ion	CS6210Na	0.02-100000	5-12
Calcium ion	CS6210CA2	0.2 - 40,000	3 - 10
Copper ion	CS6210CU2	0.064-6,400	2-12
Ferrous ion	CS6210Fe2	0-1000	

Parameter: Model	pH:CS1030	pH:CS1048	ORP:CS2010	ORP:CS2048
Range	0-14	0-14	±2000mV	±2000mV
Temp. range	0 - 80 °C	0 - 100 °C	0 - 80 °C	0 - 100 °C
Max pressure	2 bar (atm)	5 bar (atm)	2 bar (atm)	5 bar (atm)
Ref system	Ag/AgCl KCl	Ag/AgCl KCl	Ag/AgCl KCl	Ag/AgCl KCl
salt bridge	Double	Double	Double	Double
Liquid interface	Double sand core	Circular ceramics	Double sand core	Circular ceramics
Reference	Liquid gel	Solid gel	Liquid gel	Solid gel
Sensitive film	B11	Blue UV resistant	platinum sheet	Platinum ring
Shell material	PC	Glass	PC	Glass
Temp. sensor	10k	10k	-	-
Size	12*120mm	12*120mm	12*120mm	12*120mm
Cable/Terminal	1m, BNC	1m, BNC	1m, BNC	1m, BNC