

VIKING-ISE310 Portable pH/Ion Meter pH/ISE/Temp. (mV/ORP/pX)

Product Details

Product Number

PRO6090



Technical Specification:

Technical Specifications — VIKING-ISE310 Portable pH/Ion Meter

Model	I310T
Measured Parameters	pH / Ion (ISE) / mV / pX / Temperature
Display	4.3" color high-contrast LCD touchscreen (backlit)
Data Storage	1000 groups, GLP-compliant
Temperature Compensation	Automatic (ATC) / Manual (MTC)
Reading Modes	Auto-read (Fast / Medium / Slow), Timed, Continuous
Reading Prompts	Reading / Stable / Locked
Auto Power-Off	300 / 600 / 1200 / 1800 / 3600 sec, or off
IP Rating	IP65 – splash-proof, field-ready
pH Measurement	
Range	–2.00 to 20.00 pH
Resolution	0.1 / 0.01 pH
Accuracy	±0.01 pH

Calibration Points	Up to 5 points
Buffer Recognition	NIST, GB, USA, DIN
mV / ORP Measurement	
Range	–2000.0 to +2000.0 mV
Resolution	0.1 mV
Accuracy	±0.3 mV or ±0.1%
pX Measurement	
Range	–2.00 to 20.00 pX
Resolution	0.1 / 0.01 pX
Accuracy	±0.02 pX
Calibration Points	Up to 5 points
Ion (ISE) Measurement	
Range	1.000×10^{-9} to 9.999×10^9
Units	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb
Resolution	Up to 4 significant digits
Accuracy	±0.5%
Calibration Points	Up to 5 points
Measurement Modes	Direct Reading, Standard Addition, Sample Addition, GRAN
Built-in Methods	F [–] , Cl [–] , Br [–] , I [–] , NO ₃ [–] , BF ₄ [–] , NH ₄ ⁺ , K ⁺ , Na ⁺ , Ca ²⁺ , Cu ²⁺ , Pb ²⁺ , Ag ⁺ , etc. + user-defined
Temperature	
Range	–5 to 110 °C (23 to 230 °F)
Resolution	0.1 °C / 0.1 °F
Accuracy	±0.2 °C
Units	°C, °F
Inputs & Outputs	
pH Electrode Input	BNC (Q9)
Temperature Probe	4-pin aviation connector
USB Output	PC, Printer
General	
Power Supply	Rechargeable Li-ion battery, AC adapter 100–240 V input, DC 5 V output
Dimensions (Device)	90 × 255 × 40 mm

Weight (Device)	500 g (1.1 lb)
Dimensions (Carton)	410 × 330 × 165 mm
Weight (Gross)	5.5 kg

Accessories: