

pH Meter, bench top, Thermo Scientific Orion®, Dual Star™



- Dual channel with simultaneous displayed measurements
- Calibration graph with slope data for viewing or printing
- Meter prompts and shortcut keys
- Five language choices: English, Spanish, French, German and Italian
- 10 methods stored per channel, no need for a switchbox to retain calibrations when using multiple electrodes
- Known addition and subtraction incremental methods
- Autosampler compatibility

The Thermo Scientific Orion® Dual Star™ meter shows the results of both input channels simultaneously. Screen prompts guide you through measurement and setup menus. The EZ startup option and shortcut keys quickly move the meter to key programs for fast startup and measuring. SMART STABILITY™ and SMART AVERAGING™ software programs automatically compensate for measurement conditions, so the meter displays more accurate results faster. When transferring data through the RS232 or USB ports, the meter is able to send a defined data range or all the data.



Technical Specification

pH	Range, pH	-2.000 to 19.999
	Resolution, pH	0.1, 0.01, 0.001
	Accuracy, pH	±0.002
	Calibration	1 to 5
	Auto buffer recognition	US, NIST, DIN, Custom
ISE	Range, ISE	0 to 19,999
	Resolution, ISE	1, 2 or 3 significant digits
	Accuracy, ISE	±0.2mV or 0.05%, whichever is greater
	Calibration, ISE	1 to 6 Linear, point to point, non-linear selectable auto-blank
	Units	ppm, ppb, M, % or unitless
mV	Options	Single known addition and subtraction, double known addition and subtraction (measurement)
	Range, mV	±1,999.9
	Resolution, mV	0.1
	Accuracy, mV	± 0.2mV or 0.05%, whichever is greater
Temperature	Temperature range, °C	-5 to 105
	Temperature resolution, °C	0.1
	Temperature accuracy, °C	±0.1
General	Password protection	Yes
	Data log points	1,000 with time/date stamp
	GLP	Yes
	21 CFR Part 11 software package / Navigator 21 software	Optional
	Data transfer	RS232, USB
Electrical supply		Universal a.c. power adapter (supplied)

Catalogue No	Legacy No	Alt. No	Description
10155714	-	2115010	Dual Star™ pH meter, with swing arm electrode stand, RS-232 and USB cables, stainless steel ATC Probe, universal power adapter and user manual.
10014414	-	2115001	Dual Star™ pH/ISE meter, with swing arm electrode stand, RS-232 and USB cables, stainless steel ATC Probe, universal power adapter and user manual. Plus Ultra® pH electrode, calibration buffers and electrode storage solution.

Accessories

Catalogue No	Legacy No	Alt. No	Description	Pack qty
10354191	-	910001	pH electrode storage solution, 475mL	1
10255313	-	9157BNMD	Triode 3 in 1 pH/ATC probe, refillable, epoxy body	1
10121211	-	090043	Electrode stand, swing arm	1
12747686	-	MN1500	Batteries, alkaline, 1.5V (LR6)	4