

Thermo Scientific Orion Star LogR™ pH and pH/ISE Meters

Featuring exclusive LogR technology for the most advanced electrode diagnostics available, and for temperature-compensated pH readings without a separate temperature input.



Features and Benefits

- Exclusive LogR technology for temperature-compensated pH readings using the pH bulb
- Use the displayed resistance value to troubleshoot electrode issues
- Temperature input and compensation method in use displayed
- Easier and improved LogR calibration procedure
- Thermo Scientific Orion SMART STABILITY™ and SMART AVERAGING™ functions for automatically optimized accuracy, precision and response time
- pH calibration of up to 5 points with calibration alarm and automatic buffer recognition of USA, NIST and DIN buffers or custom buffer input accepted
- For pH/ISE meter versions, ISE calibration of up to 5 points with automatic blank correction feature
- Data storage for 1000 points with time and date stamp
- Average slope and slope of segment printed with measurements
- RS232 port for easy data downloading and software updates
- Direct control of the Orion Star stirrer probe 096019 (*sold separately*)
- Storage of up to 10 individually password-protected methods
- Backlit LCD display
- 3-year meter replacement warranty

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Specifications

CE, TUV

pH	Range	-2.000 to 19.999
	Resolution	0.1, 0.01, 0.001
	Relative Accuracy	± 0.002
	Calibration Points	1 to 5
	Auto-Buffer Recognition	USA/NIST and EURO/DIN
ISE (For pH/ISE models)	Range	0 to 19999
	Resolution	1, 2 or 3 significant digits
	Relative Accuracy	± 0.2mV or 0.05%, whichever is greater
	Units	M, mg/L, %, ppb or no units
	Calibration Points	1 to 5
mV-Rel mV-ORP	Range	± 1999.9
	Resolution	0.1
	Relative Accuracy	± 0.2 or 0.05%, whichever is greater
Temperature	Range	0 to 100 °C
	Resolution	0.1 °C
	Relative Accuracy	± 0.1 °C
LogR	Temperature Relative Accuracy	± 0.1 °C; ± 0.3 °C from 0 to 9.9 °C when resistance > 1000 MΩ
	Resistance Range	0 to 6000 MΩ
	Resistance Resolution	0.1 MΩ up to 1999.9 MΩ, 1 MΩ above 1999.9 MΩ
	Calibration Options	ATC probe, NIST reference

Ordering Information

Cat. No.	Description
3112000	Orion Star LogR pH Meter, 100-240V, 50/60Hz and 927007MD stainless steel ATC probe
3112001	Orion Star LogR pH Meter, 100-240V, 50/60Hz; 9202BN PerpHecT combination pH glass body electrode; 927007MD stainless steel ATC probe; 090043 swing arm electrode stand; 910104 pint of pH 4.01 buffer; 910107 pint of pH 7.00 buffer; 910110 pint of pH 10.01 buffer and 910001 pint of electrode storage solution
3112101	Orion Star LogR pH Meter, 100-240V, 50/60Hz; 9202BN PerpHecT combination pH glass body electrode; 927007MD stainless steel ATC probe and 090043 swing arm electrode stand
3112102	Orion Star LogR pH Meter, 100-240V, 50/60Hz; 8202BN PerpHecT ROSS® combination pH glass body electrode; 927007MD stainless steel ATC probe and 090043 swing arm electrode stand
3115000	Orion Star LogR pH/ISE Meter, 100-240V, 50/60Hz and 927007MD stainless steel ATC probe
3115001	Orion Star LogR pH/ISE Meter, 100-240V, 50/60Hz; 8272BN PerpHecT ROSS Sure-Flow combination pH glass body electrode; 927007MD stainless steel ATC probe; 090043 swing arm electrode stand; 910104 pint of pH 4.01 buffer; 910107 pint of pH 7.00 buffer; 910110 pint of pH 10.01 buffer, and 810001 pint of ROSS electrode storage solution
3115101	Orion Star LogR pH/ISE Meter, 100-240V, 50/60Hz; 8272BN PerpHecT ROSS Sure-Flow combination pH glass body electrode; 927007MD stainless steel ATC probe and 090043 swing arm electrode stand

For more information, contact your local Thermo Scientific products dealer or call our customer and technical service experts at 1-800-225-1480 (for the US and Canada) or visit www.thermo.com/water.

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