

For more information, please contact us:

[ExpotechUSA](#)
[10700 Rockley Road](#)
[Houston, Texas 77099](#)
[USA](#)

[281-496-0900 \[voice\]](#)

[281-496-0400 \[fax\]](#)

E-mail: sales@expotechusa.com

Website: www.ExpotechUSA.com

Orion 350 PerpHecT[®] meter

Put an end to pH temperature compensation problems with the PerpHecT line of pH meters and electrodes using Orion's patented digital LogR™ technology. Orion PerpHecT meters and electrodes offer three advantages over conventional systems:

- LogR eliminates the need for a separate ATC.
- Any pH electrode can be used to measure temperature, including micro electrodes.
- Fewer pH errors, with the temperature taken at the sensing bulb.



PerpHecT digital LogR Advanced Benchtop pH/mV/ORP/ Temperature Meters Orion 350

- Simultaneous Display of pH, mV (ORP) and Temperature
- GLPcheck™ for Active Electrode Verification
- Special packages available

The Orion 350 PerpHecT meters include all the pH basics plus simultaneous display of pH, mV or RmV (ORP) and temperature. Use autocalibration with built-in Auto-Buffer-Recognition of three buffers or enter custom buffer values. Temperature compensation can be LogR, automatic (with an ATC probe) or manual. These enhanced PerpHecT meters come complete with GLPcheck for verification of electrode reliability

and GLPdoc™ for printouts compatible with "Good Laboratory Practices," ROSS Resolution™ to 0.001 pH units, and RS232 communications. These meters are available with a premium PerpHecT ROSS™ electrode, or in a GLP package which includes (Cat. No. 8272BN) PerpHecT ROSS Sure-Flow® electrode, PRT300 ink-based printer and cable. Three (3) year limited meter warranty.

Orion 350

Orion 350 Specifications

		Specification	Benefit
pH	Range	0.000 - 14.000	Measure pH in any sample
	Resolution	0.1/0.01/0.001	
	Relative Accuracy	± 0.005	Best accuracy available
	Slope	80 to 120%	
	Auto-Buffer-Recognition	4.01, 7.00, 10.01	Increase productivity
	Calibration Points	3	Bracket your sample's pH—Increase accuracy
Temperature	Range	0.0 - 100 °C	Temperature without an ATC
	Resolution	0.1 °C	
	Rel. Accuracy ATC	± 0.1 °C	
	Rel. Accuracy LogR™	± 0.5 °C	Superior to ATC probes
Millivolt	Range	± 1999.9 mV	
	LogR Range	± 1000.0 mV	
	Resolution	0.1 mV	
	Relative Accuracy	± 0.2 mV or ± 0.5% of reading, whichever is greater	
Relative	Millivolt Range	± 1999.9 mV	
	Millivolt Resolution	0.1 mV	
	Millivolt Accuracy	± 0.2 mV or ± 0.5% of reading, whichever is greater	
Display		LED	Easy to view
Inputs		BNC, pin tip ref, ATC, Power	
Outputs		RS232, 2.5 mm pin Recorder	
Power Requirements		AC Line, 110 V, 220 V or 240 V	
Agency Approvals		CE, CSA, UL	World wide operation
Environmental Requirements		5 to 45 °C and 5 to 85% relative humidity, non-condensing	

Above data generated under optimal/controlled circumstances.

Orion 350 Ordering Information

Package Includes	Cat. No. for Complete Meter Package	Electrode Cat. No.
110 V w/Ag/AgCl pH Electrode	035000, PerpHecT Glass Sure-Flow® Combination pH	9272BN
220 V w/Ag/AgCl pH Electrode	035001, PerpHecT Glass Sure-Flow Combination pH	9272BN
110 V w/ROSS™ pH Electrode	0350A0, PerpHecT ROSS Glass Sure-Flow Combination pH	8272BN
220 V w/ROSS pH Electrode	0350A1, PerpHecT ROSS Glass Sure-Flow Combination pH	8272BN
110 V w/GLP Package	0350G0 • PerpHecT ROSS Glass Sure-Flow Combination pH • Package Includes PRT300 Printer and Cable to connect to PerpHecT Meter)	8272BN
220 V w/GLP Package	0350G1 • PerpHecT ROSS Glass Sure-Flow Combination pH • Includes PRT300 Printer and Cable to connect to PerpHecT Meter)	8272BN
110 V Meter and Adapter only	0350A9	
220 V Meter and Adapter only	0350A8	
240 V Meter and Adapter only	0350A7	
Meter and Manual only	035002 (Order Plug/Wall adapter separately)	
110V Complete Kit (8)	035003	
220V Complete Kit (8)	035004	
240V Complete Kit (8)	035005	