

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 370

PerpHecT[®] advanced meter

The advanced Orion meters offer superior features for research grade analysis. Increased calibration and measurement capabilities provide flexibility for measuring a variety of sample types. Only Orion PerpHecT pH meters allow for direct temperature measurement and compensation from the electrode without a separate temperature probe.



PerpHecT digital LogR[™] Benchtop pH/ISE/mV/ORP/ Temperature Meter Orion 370

- Easy-to-Use Basic ISE (concentration) capability
- Simultaneous Display of pH or concentration, mV (ORP) and Temperature
- GLPcheck[™] for Active Electrode Verification

The 370 PerpHecT meter includes all the pH basics plus simultaneous display of pH or concentration, 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. The concentration mode for ISE measurements offers a two-point calibration and direct measurement. This enhanced PerpHecT meter comes

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. The 370 is available with a premium PerpHecT ROSS[™] electrode, or in a GLP package which includes a PerpHecT ROSS Sure-Flow[®] electrode (Cat. No. 8272BN), PRT300 ink-based printer and cable. Three (3) year limited meter warranty.

Orion 370

Orion 370 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	pH Calibration Points	3	Bracket your sample's pH—Increase accuracy
	Range	0.000 - 19900	
	Resolution	± 3 sig. digits	
	Relative Accuracy	± 0.2 mV or ± 0.5% of reading, whichever is greater	
	Conc. Calibration Points	2	
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	
	Resolution	0.1 mV	
	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	

Orion 370 Ordering Information

Above data generated under optimal/controlled circumstances.

Package Includes	Cat. No. for Complete Meter Package	Electrode Cat. No.
110 V w/Ag/AgCl pH Electrode	037000, PerpHecT Glass Sure-Flow® Combination pH electrode	9272BN
220 V w/Ag/AgCl pH Electrode	037001, PerpHecT Glass Sure-Flow Combination pH electrode	9272BN
110 V w/ROSS™ pH Electrode	0370A0, PerpHecT ROSS Glass Sure-Flow Combination pH electrode	8272BN
220 V w/ROSS pH Electrode	0370A1, PerpHecT ROSS Glass Sure-Flow Combination pH electrode	8272BN
110 V w/GLP Package	0370G0 • PerpHecT ROSS Glass Sure-Flow Combination pH • Package Includes PRT300 Printer and Cable to connect to PerpHecT Meter	8272BN
220 V w/GLP Package	0370G1 • PerpHecT ROSS Glass Sure-Flow Combination pH • Package Includes PRT300 Printer and Cable to connect to PerpHecT Meter	8272BN
110 V Meter and Adapter only	0370A9	
220 V Meter and Adapter only	0370A8	
240 V Meter and Adapter only	0370A7	
Meter and Manual only	037002 (Order Plug/Wall adapter separately)	