

Automatic Temperature Compensation Probes for Orion On-Line pH Measurement Instruction Sheet

Introduction

Orion Automatic Temperature Compensation (ATC) automatically corrects pH measurements for variation in electrode slope due to temperature change.

The 2001TP and 2001XT ATC probes are designed for use with the Orion 2001 and Orion 2002 On-Line pH Monitors.

The 2001LN and 2001TM ATC probes are designed for use with monitors requiring a temperature probe resistance of 8500 Ω (ohms) at 25°C and 1000 Ω (ohms) at 0°C.

All Orion ATC probes have stripped non-terminated ends and unbreakable stainless steel bodies which are ideal for rugged use. Consult the appropriate monitor instruction manual for ATC Probe use with single and multiple buffer standardization procedures.

Specifications

Orion No.	Temperature	pH Range	Relative Accuracy	Type, Resistance	Cable
2001TP	0 - 100°C	0 - 14	+1°C or 1% whichever is greater	NTC 30,000 Ω	1 meter
2001XT	0 - 100°C	0 - 14	+1°C or 2% whichever is greater	NTC 30,000 Ω	10 meters
2001LN	0 - 100°C	0 - 14	+1°C or 2% whichever is greater	NTC 8,500 Ω	5 meters
2001TM	0 - 100°C	0 - 14	+1°C or 2% whichever is greater	PTC 1,000 Ω	5 meters

Ordering Information

Orion No.	Description
2001TP	ATC Probe, 1 meter cable
2001XT*	ATC Probe, 10 meter cable
2001LN*	ATC Probe, 8500 ohms, 5 meter cable
2001TM*	ATC Probe, 1000 ohms, 5 meter cable

* Contains Solution Ground

Environmental Instruments

Water Analysis

For updated contact information,
visit www.thermo.com

North America

166 Cummings Center
Beverly, MA 01915 USA
Tel: 978-232-6000
Dom. Fax: 978-232-6015
Int'l. Fax: 978-232-6031

Europe

12-16 Sedgeway Business Park
Witchford, Cambridgeshire
England, CB6 2HY
Tel: 44-1353-666111
Fax: 44-1353-666001

Far East

Room 904, Federal Building
369 Lockhart Road
Wanchai, Hong Kong
Tel: 852-2836-0981
Fax: 852-2834-5160

Customer Support

Toll Free: 800-225-1480
www.thermo.com
Dom. e-mail: domcs1@thermoorion.com
Int'l. e-mail: intcs1@thermoorion.com