

## REOCUBE™ ISOLATION BOTTLE

Reotemp's ReoCube™ Isolation Bottles are used to monitor the temperature of ultra low freezers or refrigerators. The isolation bottles are filled with fluid (typically ethylene glycol, alcohol, or a cryopreservative). Then, up to three temperature sensors are inserted into the bottles and liquid. By submerging the temperature sensor(s), the ReoCube ensures the temperature readings will not be thrown off when the freezer door is opened and ambient air rushes in. The result is a highly stable and reliable temperature reading that mimics the temperature of the critical medium being cooled.



Made in USA



### FEATURES / BENEFITS

- Sealed 250mL Polyethylene Bottle with Cap
- 4-20mA 2-Wire Transmitter with NEMA-4X Polycarbonate Connection Box, Display Optional

### SPECIFICATIONS

<b>Accuracy</b>	0.05% of Span ( $\pm 1$ Digit), Plus Sensor Accuracy
<b>RTD Type</b>	100 $\Omega$ Pt., 0.00385 $\Omega/\Omega^\circ\text{C}$ , 3-wire, Class A
<b>RTD Accuracy</b>	Class A = $\pm (0.15 + 0.002 t )^\circ\text{C}$ [-30/200 $^\circ\text{C}$ ]
<b>Stem Material</b>	316 Stainless Steel
<b>Stem Diameter</b>	3/16"
<b>Wire</b>	AWG #22, Stranded, TFE Insulated, with TFE Jacket Overall
<b>Thermowell</b>	Stainless Steel
<b>Transmitter</b>	4-20mA Output, 8 to 35 VDC Loop Powered
<b>Connection Box</b>	Polycarbonate Enclosure, NEMA-4X
<b>Bottle Fill</b>	Customer Fillable
<b>Operating Temperature</b>	Stem and Vial -328 $^\circ\text{F}$ to 248 $^\circ\text{F}$

**BUILD YOUR REOCUBE:** Choose options to build a part number. For example: **TIB1PA60TX**

<b>TIB</b>	<b>1</b>	<b>PA</b>	<b>60</b>	<b>TX</b>
<b>SERIES</b>	<b>NUMBER OF WELLS</b>	<b>RTD</b>	<b>LEADWIRE LENGTH</b>	<b>TERMINATION</b>
<b>TIB</b> = ReoCube 250mL Polyethylene Sealed Isolation Bottle with Cap	1 = 1 2 = 2 3 = 3  For bottle only part #, stop at number of wells. Example: <b>TIB3</b> .	<b>PA</b> = Single 100 $\Omega$ Class A RTD (0.06%)	<b>??</b> = Leadwire Length in Inches	<b>TX</b> = 4-20mA 2 Wire Transmitter with NEMA-4X Polycarbonate Connection Box <b>TXD</b> = Digital Display with 4-20mA 2 Wire Transmitter with NEMA-4X Polycarbonate Connection Box <b>S</b> = Stripped Leads