![Controlant logo] **Controlant**

PR-T02 Digital temperature probe

The PR-T02 digital temperature probe is designed for Controlant's real-time data loggers. The probe can be sealed into a refrigerated unit using the thin, flat cable segment.

Features and benefits

- Validated and compliant for the life sciences supply chain
- Accurate digital temperature sensor for ambient and product temperature measurements

General overview

Product

Product name and type	PR-T02 digital temperature probe

General

Probe length overall (LOA)	2.58m	8.5ft
Cable diameter	4.6mm	0.18in
Cable material	PUR, black	-40℃ to +105℃
		-40°F to +221°F
Connector body	TPU	
Connector standard	IEC 61076-2-104	
Connector contacts	Brass with gold plate	
Connector locking system	Screw locking	
Connector waterproof rating	IP67	
Flat cable section thickness	0.25mm	0.009in
Flat cable length	260mm	10.23in
Flat cable color	White	

Temperature sensors

Measurements

Number of sensors	Two sensors – one for ambient and one for the product
Temperature	-20℃ to +50℃
	-4°F to +122°F
Resolution	0.1℃
	0.18°F
Long-term drift	<0.1℃ / year
	0.18°F / year

Calibration

Standard calibration points	-20℃	15℃	50℃
	-4°F	59°F	122°F
Calibration accuracy	±1.0℃	±0.5℃	±1.0℃
	±1.8°F	±0.9°F	±1.8°F
Non-standard calibration points	Available		
Calibration certificate	Available upon request		

Probe dimensions