

Technical Data Sheet

Connect Edge: 3.7 Meter PT100 Class A Sensor (-100°C to 316°C)

Revision A

Specifications	Catalog Number and Production Model Number	
		EDGEPTSENTU008 EDGEPTSENTC008 EDGEPTSENTA008
Application, Rating and Electrical Data		
Application	Sensor used for monitoring Ultra-low temperature freezers	
Component Type	Cable: Polyimide and PVC (Polyvinyl chloride); PVC shrink tubing <ul style="list-style-type: none"> Dimensions: Ø 3 mm, L: 76 mm Stainless steel Class B 3-wire PTFE cable 	
Module and Sensor Information		
Measured Temperature Range	-100°C to +316°C	
Cable Length with connector	3.7 meters	
Resolution	± 0.022°C	
Tolerance Accuracy (includes sensor adapter)	Uncalibrated: ± 0.8°C (-100°C to +100°C) ± 1.7°C (-100°C to +316°C) Calibrated: ± 0.4°C (-100°C to +100°C) ± 1.0°C (-100°C to +316°C)	
Weight	80 g	
Calibration certification	EDGEPTSENTC008: Standardized processed according to NIST and ISO9001 EDGEPTSENTA008: Standardized processed according to NIST and ISO/CEI 17025	
Protection Index	IP66	
General		
Mounting Options	Connect Edge Adapter Kits, 6-Sensor Configuration, Analog Ports	
Disinfection/Cleaning	<ul style="list-style-type: none"> Clean the Sensor with a soft cloth lightly moistened with water, a detergent or isopropanol alcohol. Do not use any aggressive cleaning agents or scratching cleansers that might damage your sensor 	
Memory		
Sampling Rates	Once per minute	
Calibration Parameters	Calibration A and B values are applied using Connect Edge Management Portal	
Calibration Values	Calibrated at -80°C, -40°C, 0°C	
Standards and Regulations	ROHS, FCC, CE, TUV-SUD	
Environmental Conditions		
Sensor Operating Conditions	-100°C to 316°C (-148°F to 600°F); 0 to 100% RH non-condensing (Includes probe and wiring up to the in-line transmitter)	
Transmitter Operating Conditions	-40°C to 85°C (-40°F to 185°F); 0 to 90% RH non-condensing (Includes in-line transmitter and wiring to sensor plug)	
Country of Origin	China	
Warranty		
Sensor Warranty	1 year	