


Technical Data Sheet

Connect Edge: 3 Meter Digital Temperature/Humidity Probe (0 to 100% RH, -40 to 125°)

Revision A

Catalog Number and Production Model Number	
Specifications	EDGEPTSENRU007 EDGEPTSENRC007A EDGEPTSENRA007A EDGEPTSENRC007B EDGEPTSENRA007B
	
Application, Rating and Electrical Data	
Application	Sensor used for monitoring storage facilities, stability chambers
Component Type	Cable: PVC (Polyvinyl chloride); PVC shrink tubing <ul style="list-style-type: none"> Dimensions: Ø 15 mm, L: 70 mm Plastic
Module and Sensor Information	
Measured Temperature Range	-40°C to +125°C 0 to 100% RH
Cable Length with connector	3 meters
Resolution	± 0.01°C ± 0.01% RH
Tolerance Accuracy	Uncalibrated: ± 0.2°C Typical (0..60°C) ± 0.7°C Max (-40..125°C) ± 2% RH Typical (0..80°C, 0..100% RH) ± 2.5% RH Max (25°C, 0..90% RH) Calibrated: ± 0.5°C Max (calibration range) ± 1% RH Max (calibration range)
Weight	150 g
Calibration certification	EDGEPTSENTC007A/B: Standardized processed according to NIST and ISO9001 EDGEPTSENTA007A/B: Standardized processed according to NIST and ISO/CEI 17025
Protection Index	IP68
General	
Mounting Options	Connect Edge Adapter Kit, 6-Sensor Configuration, Digital Port
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	EDGEPTSENTx007A: Calibration at +23°C, 50% RH EDGEPTSENTx007B: Calibration at +37°C, 90% RH
Standards and Regulations	ROHS, FCC, CE, TUV-SUD
Environmental Conditions	
Sensor Operating Conditions	-40°C to 125°C (-40°F to 257°F); 0 to 100% RH non-condensing
Country of Origin	China (cable)
Warranty	
Sensor Warranty	1 year