

Technical Data Sheet

Smart-Vue Pro Wireless Monitoring Solution: 1.4 Meter PT100 Smart

sensor (-200°C to +50°C)

Revision A

	Catalog Number
Specifications	SVPSENTUS004 SVPSENTCS004
Application	Sensor used for monitoring Cryogenic freezers, liquid nitrogen tanks
	Cable: PVC (Polyvinyl chloride); Shrink tube: Polyolefin
Component Type	 Dimensions: Ø 3 mm, junction Ø 6 mm, L: 100 mm Stainless steel Class B 3-wire PTFE cable Cable length: 140 cm (with connector)
	Module and Sensor Information
Measured Temperature Range	-200°C to +50°C
Cable Length with connector	1.4 meters
Measurement Uncertainty	± 0.08°C to 0.3°C
Tolerance/Accuracy	± 1°C
Weight	45 g
Calibration certification	Standardized processed according to NIST and COFRAC EN ISO/CEI 17025
Protection Index	IP66
	General
Mounting Options	Vertical on Smart-Vue Pro Duo/Quatro
Battery Type	NA
Disinfection/Cleaning	• 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	Minimum 15 seconds to maximum 12 hours as per configuration from Smart Connect app or
	Webapp.
Calibration Parameters	Calibration correction parameters are pushed and stored directly in the persistent memory of the sensor.
Calibration Values	Calibrated at -196°C, -80°C, 0°C
Standards and Regulations	ROHS and CE
	Environmental Conditions
Ambient Condition Requirements	Ambient Condition Requirements 0°C to 50°C (32°F to 122°F); 0 to 90% RH non-condensing
Country of Origin	SVPSENTUS004 - China
	SVPSENTCS004 - China
	Warranty
Instruments	Standard 1 year on all sensors

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