


## Technical Data Sheet

### Smart-View Pro Wireless Monitoring Solution: 1.4 Meter PT100 Smart sensor (-200°C to +50°C)

Revision A

Specifications	Catalog Number	
	SVPSSENTUS004 SVPSSENTCS004	
Application	Sensor used for monitoring Cryogenic freezers, liquid nitrogen tanks	
Component Type	Cable: PVC (Polyvinyl chloride); Shrink tube: Polyolefin <ul style="list-style-type: none"> <li>Dimensions: Ø 3 mm, junction Ø 6 mm, L: 100 mm</li> <li>Stainless steel</li> <li>Class B</li> <li>3-wire PTFE cable</li> <li>Cable length: 140 cm (with connector)</li> </ul>	
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-View Pro Duo/Quatro	
Battery Type	NA	
Disinfection/Cleaning	<ul style="list-style-type: none"> <li>Clean the Sensor with a soft cloth lightly moistened with water, a detergent or isopropanol alcohol.</li> <li>Do not use any aggressive cleaning agents or scratching cleansers that might damage your sensor.</li> </ul>	
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	SVPSSENTUS004 - China SVPSSENTCS004 - China	
Warranty		
Instruments	Standard 1 year on all sensors	