

SentryPoint CPTP100A

Cathodic Protection Test Point



Compatibility

With support for up to four channels of data, the CPTP100A supports virtually any application found in the field.

Features

- Sealed, waterproof polycarbonate cover
- Slim body fits into test point markers
- Built-in wire management
- Daily data reporting and one-hour alarm response

The SentryPoint™ Cathodic Protection Test Point (CPTP100A)

measures and collects protective voltage data at cathodic protection test stations, then transmits it back to the utility for display, analysis, and interpretation. The CPTP100A will measure AC voltage if present and will filter that from the compliance read.

Capability

The CPTP100A collects data from test stations associated with either galvanic or impressed current protected pipelines, and supports the following types of measurements:

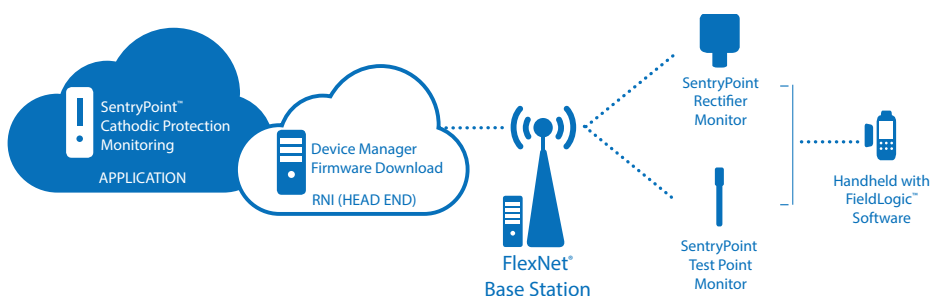
- Pipe-to-soil with protective current
- Pipe-to-soil with interrupted current
- Casing-to-pipe
- Coupon-to-soil with interrupted current
- Pipe-to-native coupon with interrupted current

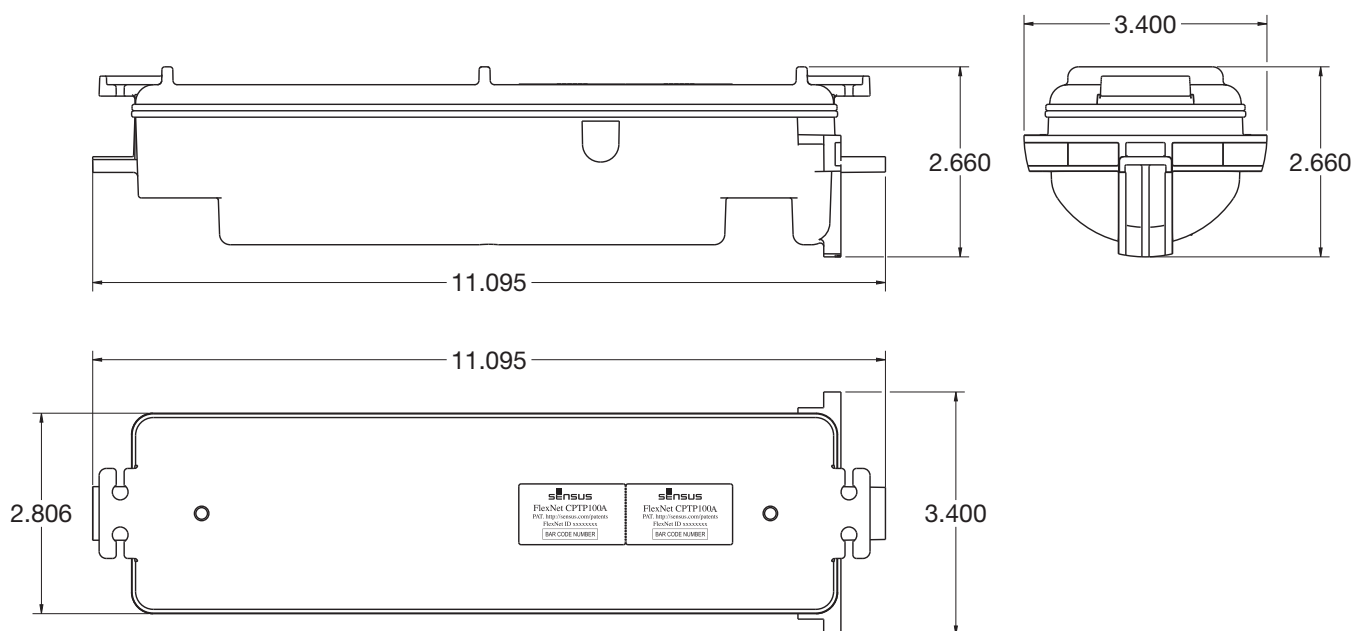
Construction

- Fits in standard 3" diameter test station riser
- 20-year battery life, warranted
- Sealed, waterproof polycarbonate housing
- Class 1 Div. 2 intrinsically safe

Benefits

- Installs quickly and discreetly
- Generates more timely, actionable intelligence
- Improves operational efficiency
- Cost effective solution
- Rapid payback





Specifications

Dimensions	11.095" x 2.660" x 3.400"	
Weight	1.4 lb	
Cover	Sealed, waterproof polycarbonate housing (IP66)	
Broadcast Power	2 watts	
Frequency Range	896-960 MHz	
Channels	8000 x 6.25 kHz steps	
Modulation	Proprietary narrow band	
Memory	Non-volatile	
Operating Environment	Class I/Div. 2	
Operating Temperature	-30 oF to +150 oF (-34 oC to +65 oC)	
Power	Lithium thionyl chloride (Li-SOCl ₂) batteries in conjunction with a supercapacitor	
AC Rejection	65 dB minimum at 50 Hz and above	
Differential Input Voltage	+/- 62.5 V maximum channel-to-channel	
Measurement Range	+/- 20 VDC; 30 VAC rms	
Accuracy: DC Measurement	The greater of +/- 5 mV or 0.5% of reading	
Accuracy: AC Measurement	The greater of +/- 6.5 mV or 0.65% of reading	
Calibration	Factory calibrated; field calibration not required	
Warranty	20 years	
Approvals	United States FCC CFR 47: Part 24D, Part 101C, Part 15 licensed operation	Canada Industry Canada (IC) RSS-GEN RSS-119, RSS-210

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