

Free The Data™

It's your data; why are you paying someone else for it? Sensometer frees our customers from expensive data acquisition subscriptions and provides them the ability to remotely monitor their entire system for half the cost of traditional remote monitoring models, without all the headaches.



TECHNOLOGY THAT EMPOWERS YOU TO:

- Remotely monitor entire cathodic protection systems with no recurring monitoring fees
- Utilize a cathodic protection software platform of your choice
- Eliminate administration time managing device renewals and invoices
- Bypass the middleman and work directly with the manufacturer
- Control the privacy and access of your data
- Deploy quality products, manufactured with over 67 years of experience
- Manage your own devices your way

INTRODUCING THE CP TSM

The Sensometer CP test station monitor is the perfect product to keep your pipelines compliant. This low-cost device offers a 10-year battery life, cellular data, and features GPS. Flexible measurement and transmission intervals provide data when you need it and how you want it. The CP TSM utilizes non-proprietary batteries that can be replaced in the field and accesses multiple cellular networks with one SIM card. CP TSM is designed to be the industry's most cost-effective device to outfit entire pipelines, paying for itself immediately.

FEATURES:

- AC & DC voltage measurements
- Pipe-to-Soil (up to 2 reference cells)
- GPS
- Multi-carrier cellular connectivity
- Fast field installation (typically under 15 minutes)
- Installs under current test station cap
- Accurate (0.5% + 0.75 mV)
- Detects presence of the on/off phases during an interruption cycle

SPECS:

Analog Channels

- 2 differential voltage inputs
- Electrical isolation from structure when not measuring

Voltage Measurements

- Measurement Types: (DC and AC True RMS)
- Measurement Temp. Range: -25° to +60° C (-13° to +140° F)
- Measurement Range: 35 VDC and 50 VAC
- AC Bandwidth: 125 MHz min
- AC/DC Measurement
 - Accuracy: $\pm (0.5\% + 0.75 \text{ mV})$
 - Resolution: 1 mV max
- Input Impedance: 10 M Ω nominal
- ADC Resolution: 24 bits

Batteries

- Type: 4 Energizer L91 Ultimate Lithium AA Batteries
- Life Expectancy: Typically, 10 years based on a daily measurement cycle and transmission every 7 days

Communications

- Cellular: 4G LTE CAT M1
- Carrier Auto-Selection: Multiple carriers supported by 1 SIM card
- GNSS

Internal Storage

- 5000 complete measurement cycles

Environmental

- Operating Temp.: -40° to +65° C (-40° to +149° F)
- Storage Temp.: -40° to +85° C (-40° to +185° F)
- Humidity: 0 to 100% RH non-condensing

Mechanical

- 227 grams (0.5 lbs)
- Size: 70.61 mm x 53.85 mm x 122.43 mm (2.78" x 2.12" x 4.82") (L x W x H)
- Enclosure: Polycarbonate