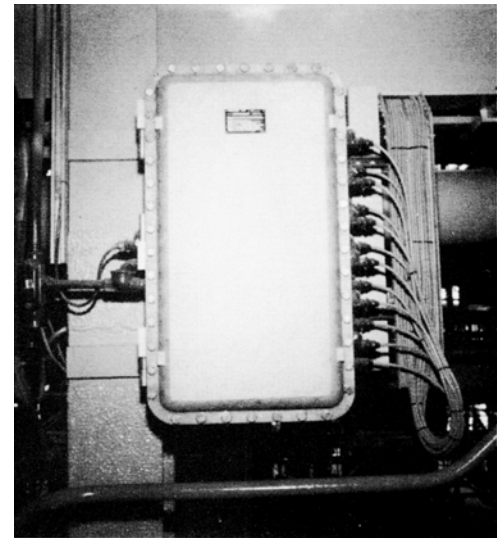


Model 4104XT/4104WT 4-Channel CORROSOMETER® Probe Interface Modules

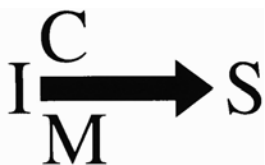
Features:

- **Continuous Monitoring of Metal Loss and Temperature**
- **CORROSOMETER® and CORROTEMP® CORROSOMETER® Probes**
- **Explosion Proof for Operation in Hazardous Areas**
- **RS-485 Communication Bus to Central Corrosion Computer**
- **Operating Temperature 0-60 deg C**



The Model 4104XT or 4104WT Probe Interface Module (PIM) is the front end probe interface for use with CORROSOMETER® or CORROTEMP® CORROSOMETER® probes in dedicated continuous on-line ICMS™ corrosion monitoring systems. An explosion proof enclosure allows the unit to be mounted in a electrically hazardous area of the plant as close to the probes as possible optimizing performance and minimizing cabling costs. Integral

safety barriers permit conventional cabling connections to the probes without explosion proof conduit. This cost-effective unit interfaces from 1 to 4 CORROSOMETER® or CORROTEMP® CORROSOMETER® probes to the central Corrosion Monitoring Computer via a low-cost RS-485 cable. Up to 32 PIMs (128 probes) can be connected over the RS-485 communication network.



INTEGRATED CORROSION MONITORING SYSTEM

Specifications:

ELECTRICAL:

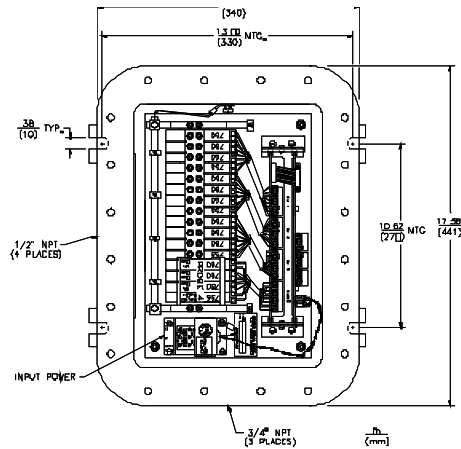
- **Inputs:**
 - 1 to 4 CORROSOMETER® or CORROTEMP® CORROSOMETER® Probes
- **Distance from PIM to Probe:**
 - 2,900 ft. (880m.) max w/o IS Barriers
 - 1,300 ft. (400m.) max w/IS Barriers
- **Data Refresh Rate:**
 - One every 5 minutes
- **Data Buffer Storage:**
 - 1024 Readings (3.5 Days)
- **Sensitivity:**
 - 0.1% Probe Span
- **Repeatability:**
 - 0.5% of full scale
- **Output:**
 - ICMS™ format via RS-485 multi-drop communication line
- **Power Requirements:**
 - Selectable 115VAC/240VAC 30/60HZ

MECHANICAL:

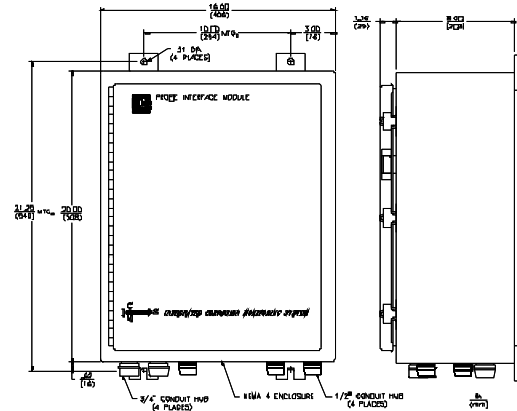
- **Weight**
 - 4104XT-4 70 lbs
 - 4104WT-4 40 lbs

ENVIRONMENTAL:

- **Ambient Temperature Range**
 - 0 to 60 deg C (32 to 140 deg F)



Model 4104XT-4 Dimensions



Model 4104WT-4 Dimensions

Ordering Information:

Model	Description
4104XT	Explosion Proof Probe Enclosure for Hazardous Area Location
4104WT	NEMA 4 Weather Proof Enclosure for Safe Area Location
4104X	Non-Temperature PIM in Explosion Proof Enclosure
4104W	Non-Temperature PIM in Nema 4 Enclosure

Code	Number of Channels of Safety Barriers (See Note 1)
T	0 – Non-installed 1,2,3,4 – Number of channels fitted with safety barriers (for probes in hazardous areas)
	Supply Voltage (Non-Temperature PIMS only)
115	115 VAC 50/60 Hz
230	230 VAC 50/60 Hz

4104XT	–	4	–	115	← Example
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Note 1: Space is available for a full set of safety barriers. For economy, only the required number of sets for active probes may be fitted.



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