



Cathodic Protection

Rectifier Monitoring
Interrupter
Test Points
Critical Points

Innovative, Reliable Pipeline Monitoring and Control

AMCI provides customers with innovative pipeline monitoring and cathodic protection products and systems that help monitor and control gas and oil pipelines using Mesh Technology that AMCI pioneered.

AMCI Smart Test Station

The **AMCI Smart Test Station (SMS)** is a multipurpose remote monitor capable of functioning as a stand-alone monitor/data logger or as a CP test station monitor mesh node and network gateway.

Uses include:

- Current density analysis
- ON/OFF P/S readings.
- Monitoring critical bonds.
- Data acquisition (logging) for CP analysis.

Typical inputs:

- DC P/S #1
- DC P/S #2
- IR Free DC P/S
- AC P/S
- AC protected coupon current density
- DC protected coupon current density
- P/S DC Native coupon
- DC current on pipeline

AMCI Rectifier Monitor

The AMCI Rectifier Monitor (RMU) is a rugged, low cost option for recording volts, current and P/S.

Features include:

- Design that virtually eliminates damage due to lightning /power surges
- Two-way communication
- High/Low alarm notifications
- Easy to use website for importing data



AMCI Smart Test Station



AMCI Rectifier Monitor Base Station

Both the STS and RMU use a small inconspicuous solar panel to provide a reliable surge free power source to recharge the system's battery. Ample power is available for real time operation to receive commands, update configuration data (i.e. alarm trip points, calibration constants, etc), change reporting frequencies, upgrade software to both on the base station and/or mesh nodes, upload data files and operate as data logger; all without supplemental power or the risk of compromising battery life. The solar panel and battery pack have a design life of 8- 10 years under normal operating conditions.

AMCI Interrupter

The AMCI Interrupter is a major advance over other products; no bulky lead acid batteries, unmatched protection from lightning/power surges, In addition, the interrupter is totally isolated from all power sources (except optional solar power) 90-99% of the time. During the brief periods when line power is required 115/240 VAC or 10-50 VDC or VAC, The easy to read display greatly simplifies installation; readings and interruption cycles are easily verified. The GPS synchronized interrupter syncs with most portable interrupters. Relay options include 100 amp mercury or solid state for fast cycles.

The group interruption with specified start/stop times and dates are easily set on the website.

All AMCI products are available with GSM/GPRS, CDMA, or satellite telemetry. The satellite telemetry is small and compact; no need for extra power supplies (i.e. many satellite transceivers have power consumption that can be 50 times greater); does not require special installation procedures.

Alarm notification options include email, voice, and SMS are specified on the website.

AMCI mesh modules are 500 mW transceivers with a line-of-site range of 1.5 miles. A single gateway can serve pressure nodes (Hart protocol), valve controllers, valve-go switches (position) and the Cameron NuFlo Scanner 2000 microEFM well as AMCI's CP products - STS, RMUs, and interrupters.



AMCI Interrupter Base Station