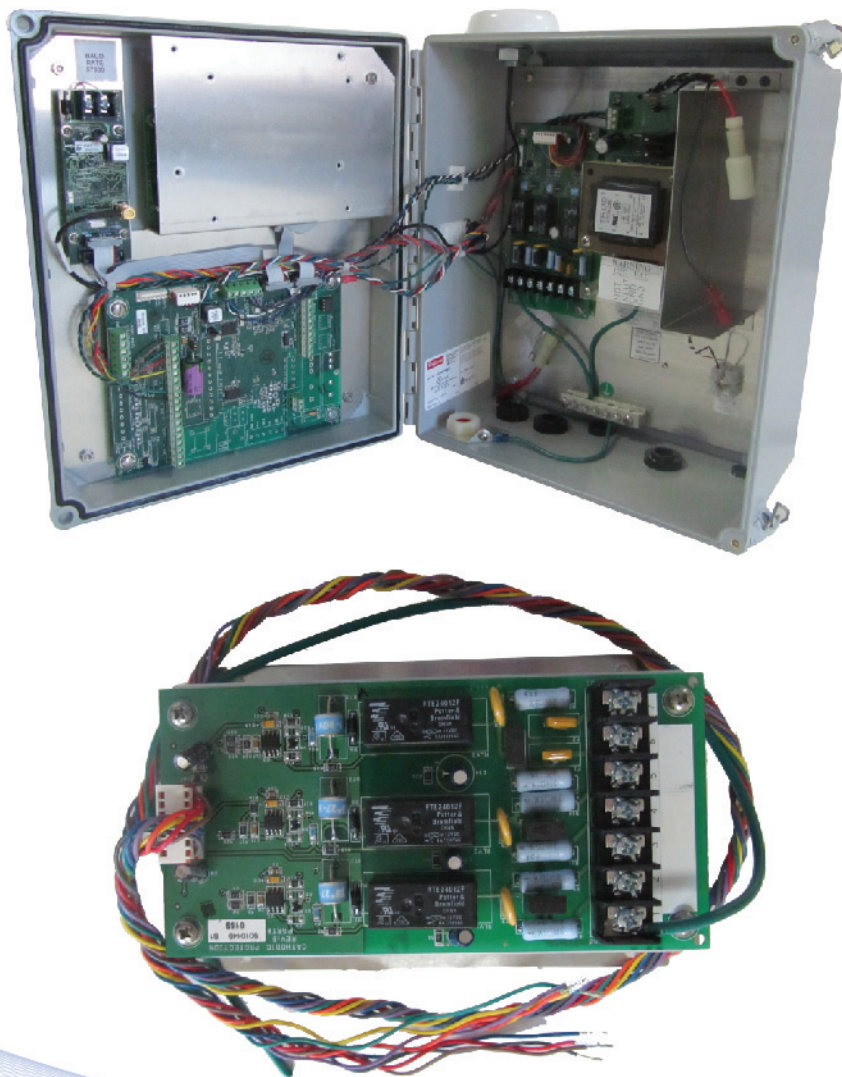


XARTU/1™ Cathodic Protection

Distributed By
MVC
Meter, Valve & Control
877-566-3837

The **XARTU/1-CP™** is designed to give pipeline operators with buried steel pipelines up-to-date operating information and data, including:

- Proper operation of pipeline rectifiers
- Historical information for reporting purposes - Pipeline Potential, Current, AC/DC Voltages, Critical Bonds
- Failure alarms
- Real time call out on alarm (with optional communications modules)
- Graphical trending of Pipe to Soil potentials to help identify pipeline corrosion
- Measure up to 6 Pipe to Soil voltages
- Current information to assist the operator in minimizing the potential for catastrophic pipeline failures
- Historical information can be used to aid in meeting the requirements of 49CFR Part 192 for monitoring.
- Remote Communications via Phone, Cellular (TCP/IP), Radio or Satellite.
- GPS Interruption



The **XA™ Series Cathodic Protection** monitoring provides for reliable monitoring of your CP Rectifiers and test points. The **XARTU/1-CP™** greatly reduces time spent doing monthly checks of **XARTU/1-CP™** rectifiers by remotely monitoring rectifier station voltage, current, pipe/structure-to-soil potentials and critical bonds. Monitor status is reported using any of today's wide variety of wireless methods of communications including LEO Satellite, CDMA, GPRS/GSM Cellular, Spread Spectrum Radio or Cellular. An optional on board modem is available as well for land-line telephone service.

It is always our goal at Eagle Research® to assist our customers in the safe operation of their steel pipeline assets. A link to the Electronic Version of 49CFR part 192 can be found at the Eagle Research® Website in the Links Section - www.eagleresearchcorp.com



XARTU/1™ Cathodic Protection

The **XARTU/1-CP™** provides for not only Cathodic Protection monitoring, but also an endless variety of applications including measurement and control of any nearby pressure points, regulation, or metering stations using AGA Measurement Reports. Expandable models are available upon request.

XARTU-CP™ Rectifier Monitor

The XARTU-CP™ gives new advantages to monitoring of any standard CP Rectifier regardless of age or geographical location.

- 110/220VAC Design with Battery Back-up
- Compact, Rugged, Reliable
 - NEMA 4X Enclosure
 - Quick Release / Lockable Hasp
- Programmable Historical Data Storage
- SBC61 Processor - 9010346
 - (6) 4-20mA / 1-5VDC Inputs
 - (5) Multi-Purpose Digital I.O
 - (1) Form C
 - (1) OPTO 22
- (2) RS232 Ports
- Four-Line Alphanumeric LCD Displays with Magnetic Scroll
- Full Alarm Call-Back with Optional Speech Modem for Critical Voice Interaction
- Sample and Hold Precision Surge Suppression Rectifier Monitoring
- GPS Interruption available for synchronized interrupting and testing



Data may be present by grid or graph for studies or surveys. Data may also be exported for use in spreadsheets or database applications used to maintain/report current CP quality.

XARTU-CP™ Test Point Monitor

The **XARTU-CP™** can also be configured to monitor test points. The **XARTU-CP™** test point monitor can measure pipe to soil potentials and critical bonds. As test points are generally mounted far from the rectifier and AC power, the **XARTU-CP™** test point monitor uses a solar panel and Eagle's Solar charger board.



- Solar powered design with battery backup
- Compact, Rugged, Reliable
 - NEMA 4X Enclosure
 - Quick Release / Lockable Hasp
- Programmable Historical Data Storage
- SBC61 Processor - 9010346
 - (6) 4-20mA / 1-5VDC Inputs
 - (5) Multi-Purpose Digital I.O
 - (1) Form C
 - (1) OPTO 22
- (2) RS232 Ports
- Four-Line Alphanumeric LCD Displays with Magnetic Scroll
- Full Alarm Call-Back with Optional Speech Modem for Critical Voice Interaction
- Sample and Hold Precision Surge Suppression for Test Point and Critical Bond Monitoring