

CorTalk[®] RMU1

Remote Monitoring for
Test Stations and Coupons

CorTalk[®] INT1

Accessory Interruption
Controller

CorTalk



RMU1: TRUSTED REMOTE MONITORING

A true hidden talent. Designed to fit entirely inside a standard CP test station, the RMU1 is a small, powerful tool for remote monitoring of CP single or double coupons and structure bond applications.

The **RMU1** collects and transmits CP performance data and GPS location as frequently as every few hours via satellite or cellular network. This provides technicians with a highly detailed, near-real-time view of the CP system and helps identify short-lived events that may impact CP performance.

When combined with the Mobiltext CorView web analytics platform, pipeline operators can implement a network of RMU1 devices to gain deep insight into the performance of the CP system, generate reports and instantly identify areas of concern.

RMU1 Generation 4 is also capable of two-way communication and can provide remote, GPS-synchronized interruption with the addition of Mobiltext INT1, a compact accessory module.



ADVANTAGES OF CORTALK RMU1

- Fast, simple installation; typically under 20 minutes
- Configurable as a CP coupon or critical bond remote monitor
- Multiple analog measurement channels provide accurate measurements for all required AC and DC parameters
- A user-replaceable battery provides up to 10 years of monitoring, data transmission and helps maximize lightning isolation
- Satellite or cellular transmission with cost-effective communication plans
- Intuitive configuration using any web-enabled device
- Generation 4 hardware platform allows connection of additional external accessory modules



CorTalk RMU1



**THE COMPACT SIZE OF THE RMU1
ALLOWS EASY INSTALLATION
TYPICALLY IN UNDER 20 MINUTES**

INT1: REMOTE, GPS-SYNCHRONIZED INTERRUPTION FOR BONDS AND SACRIFICIAL ANODES

Eliminate the need to install portable interrupters at test stations or to physically break bonds between pipelines, foreign rectifiers and structures when performing close interval survey (CIS) activities.

The Mobiltex **CorTalk INT1** enables field technicians to quickly and permanently add remote, GPS-synchronized interruption capabilities to CorTalk RMU1 devices to obtain true off-potential readings during CIS.

The plug-and-play INT1 is designed for quick connection using a single cable and automatically pairs itself to the RMU1 Generation 4 device. Once active, the devices function as a single unit and enable interruption activities to be remotely configured and controlled using any web-enabled device and the Mobiltex CorView interface.



Transmit in real-time directly to technicians via satellite or cellular network



KEY FEATURES CORTALK INT1

- 2 DC/AC potential measurement channels and 1 DC/AC current measurement channel
- 7A maximum for bond/anode current switching
- +/-31V DC, 22V AC potential range

SIMILAR TO THE RMU1, THE INT1 INTERRUPTER ACCESSORY FITS ENTIRELY WITHIN A STANDARD CP TEST STATION.

A second configuration uses a slightly larger test station cap to house the RMU1 and INT1, enabling a portable reference cell to be inserted down into the test post. In both cases, the INT1 is powered by an internal battery, which provides up to 10 years of operation.

CASE STUDY

WE'RE THERE FOR TC ENERGY

TC Energy was one of the first pipeline operators in Canada to implement remote monitoring equipment for cathodic protection (CP) systems, completing its initial installation of devices in the late 1990s.

When Mobiltex introduced the CorTalk RMU1, a battery-operated remote monitoring device for coupons and bonds at test stations, TC Energy immediately began a program to test the equipment and evaluate the benefits. The results were favourable and the RMU1 devices were installed on key assets.

“Mobiltex responded quickly to the early implementation and configuration issues we had with the new RMU1 devices,” says Tim Leitao, Project Support Engineer, Corrosion Prevention Projects and Engineering for TC Energy. “We worked through them together and got everything set up and working properly. Over the years, Mobiltex has often sought our opinions for the capabilities of new products, which speaks to their drive to move the industry forward.”

“THE MOBILTEX RMUS HAVE ENABLED US TO BUILD A ROBUST MONITORING SYSTEM THAT MINIMIZES TRAVEL TO REMOTE SITES, IMPROVES SAFETY FOR OUR CORROSION SPECIALISTS AND LOWERS MONITORING COSTS”

➤ Read the full case study and others at mobiltex.com.



MOBILTEX

ABOUT MOBILTEX®

At Mobiltex, technology is just the beginning. We've been leading the way in cathodic monitoring for corrosion detection on thousands of miles of pipelines throughout North America. That's why corrosion specialists everywhere rely on us in a range of industries.

With our innovative engineering, design and manufacturing, we've created dependable IoT technology that's built for ease of use and maintaining asset integrity even beyond corrosion. All this comes from thinking like people not machines. We've engineered and proven our technology in the harshest, most challenging of environments time and time again.

Our ready and easily reachable team can take you from initial set up through to ongoing support.

THIS IS MOBILTEX. WE'RE THERE.

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