MOBILTEX

CorTalk® RMU2

REMOTE MONITORING FOR RECTIFIERS, TEST POINTS AND BONDS

CorTalk
a MOBILTEX brand



TRUSTED REMOTE MONITORING

Gain deep insight into the performance of your CP system with the continuous remote monitoring capabilities of the RMU2.

This small, two-piece device can be easily installed into a rectifier cabinet and features a full range of configurable functions to collect critical measurement data. The information can be transmitted via satellite or cellular network as frequently as every few hours to provide a highly detailed view of the CP system and identify short-lived events that may impact CP performance.

When combined with CorView web analytics platform, pipeline operators can use a network of RMU2 devices to instantly evaluate overall CP performance and identify areas of concern.

THE COMPACT SIZE OF THE RMU2 ALLOWS EASY INSTALLATION IN TYPICALLY UNDER AN HOUR



ADVANTAGES OF CORTALK RMU2

- Compact, weatherproof devices are designed to be quickly and easily installed in existing rectifier cabinets or test stations.
- Available with satellite or cellular communications for maximum service coverage.
- Superior lightning and surge protection.
- Highly accurate and reliable data collection.
- Fast, simple configuration via PC, iOS or Android app.



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

RMU2 SPECIFICATIONS

RMU2-B (BASE UNIT)

Operating Temperature	-40° to +60° C (-40° to +140° F), not including batteries
Storage temperature	-40° to +60° C (-40° to +140° F), not including batteries
Humidity	0 to 100% RH non-condensing
Pollution Degree	1
Measurement Type	Category 2 (as per CSA C22.2 – 61010)
Maximum Altitude	5000 meters above sea level
RMU2-B Size	100mm x 38mm x 38mm (4.0" x 1.5" x 1.5")
Analog Ranges (DC & AC)	+/- 150mVDC only
	+/- 20VDC, 14.1V true RMS, +/-20Vpeak
	+/-150VDC(+/- 119VDC for TEG sources), 105V true RMS, +/-150Vpeak
	4-20mA (with external precision shunt resistor)
AC Rejection on DC Readings	>65dB @ 50/60Hz
RMU2-B Weight	135 grams (4.8 oz)
RMU2-B Weight	UV stable, wide temperature polycarbonate
External Analog Channels	4 galvanically isolated, high impedance
Lightning Immunity	Survives multiple 30KV surges
DC Measurement Accuracy	+/- 0.5% of full-scale over -40° to +60° C (-40° to +140° F)
AC Measurement Accuracy	+/- 1.0% of full-scale over -40° to +60° C (-40° to +140° F)
ADC Resolution	16 bits
Temp. Measurement Accuracy	+/-4° C (+/-7° F) over -40° to +60° C (-40° to +140° F)
Door / Tamper Switch	Activated by external magnet (included with device kit)
AC Line Presence Detector	Active on at > 80VAC RMS, 50/60Hz

RMU2 ANTENNAS

Operating Temperature	-40° to +60° C (-40° to +140° F), not including batteries
Storage Temperature	-45° to +80° C (-49° to +176° F), not including batteries
Humidity	0 to 100% RH non-condensing
Pollution Degree	2
RMU2 Antenna Size	0.75 Amps maximum
RMU2 Antenna Weight	275 grams (9.7 oz)
RMU2 Antenna Enclosure	Watertight, UV stable, wide temperature polycarbonate
RMU2 Antenna Internal Batteries	5 AA 1V5 Energizer L91 Lithium Batteries (7V5 total)
RMU2 Antenna Battery Life	>7 years based on readings every 2 days, sent every 8 days
Internal Battery Measurement	OK, Warning and Low conditions displayed on corView
Lightning Immunity	Survives multiple 30KV surges
Communications	RMU2-S — Globalstar Simplex Satellite
	RMU2-SI — Iridium SBD Satellite
	RMU2-G — Dual-band UMTS+ (850/1900MHz) and Penta-band LTE (850/1900/B4/B12/B13) (LTE Model)
Mounting	Suitable for outdoor use

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RMU2 SPECIFICATIONS

RMU2-SI (IRIDIUM SBD SATELLITE VERSION)

Operating Temperature	-40° to +60° C (-40° to +140° F), not including batteries
Storage Temperature	-45° to +80° C (-49° to +176° F), not including batteries
Humidity	0 to 100% RH non-condensing
Pollution Degree	2
RMU2-SI Size	0.75 Amps maximum
RMU2-SI Weight	275 grams (9.7 oz)
RMU2-SI Enclosure	Watertight, UV stable, wide temperature polycarbonate
RMU2-SI Internal Batteries	5 AA 1V5 Energizer L91 Lithium Batteries (7V5 total)
RMU2-SI Battery Life	>7 years based on readings every 2 days, sent every 8 days
Internal Battery Measurement	OK, Warning and Low conditions displayed on corView
Communications	Iridium SBD Satellite
Mounting	Suitable for outdoor use

RMU2-G (CELLULAR VERSIONS)

Operating Temperature	-40° to +60° C (-40° to +140° F), not including batteries
Storage Temperature	-45° to +80° C (-49° to +176° F), not including batteries
Humidity	0 to 100% RH non-condensing
Pollution Degree	2
RMU2-G Size	0.75 Amps maximum
RMU2-G Weight	275 grams (9.7 oz)
RMU2-G Enclosure	Watertight, UV stable, wide temperature polycarbonate
RMU2-G Internal Batteries	5 AA 1V5 Energizer L91 Lithium Batteries (7V5 total)
RMU2-G Battery Life	>7 years based on readings every 2 days, sent every 8 days
Internal Battery Measurement	OK, Warning and Low conditions displayed on corView
Lightning Immunity	Survives multiple 20KV 10mS surges
Communications	Quad-band GSM Cellular (850/900/1800/1900MHz) (GSM Model) Quad-band GSM Cellular (850/900/1800/1900MHz) and Tri-band UMTS+ Cellular (850/1700/1900) (UMTS Model) Dual-band UMTS+ (850/1900MHz) and Penta-band LTE (850/1900/B4/B12/B13)(LTE Model)
Mounting	Suitable for outdoor use

Authorized Reseller



READY TO SPEAK TO ONE OF OUR PRODUCT SPECIALISTS?

CALL TOLL-FREE IN US OR CANADA:
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CLOUD PLATFORM



MOBILTEX CORVIEW:

POWERFUL VISUALIZATION AND CONTROL — IN ONE PLATFORM

CorView delivers powerful, secure two-way communication capabilities, data storage and reporting for the entire range of MOBILTEX CorTalk remote monitoring devices.

- **INTUITIVE INTERFACE DESIGNED FOR EASE-OF-USE**
  The CorView platform is designed for simplicity. Its thoughtfully engineered UI enables key personnel to quickly and easily access the data repository, reporting functions and remote RMU controls with virtually no training.
- **ACCESS ANYWHERE, WITH ANY WEB-ENABLED DEVICE**
  All data that is transmitted from the RMU devices is stored in the secure MOBILTEX multi-tenant global database and can be accessed from any location, providing users instant, comprehensive access to all performance data and activities.
- **CREATE DETAILED REPORTS, GRAPHS AND MAPS**
  Technicians and managers can easily view and download measurement data, create trending graphs and generate reports. CorView also displays easy-to-read maps that provide near real-time display of system status so technicians can see where CorTalk devices are operating normally, performing interruption activities or experiencing alarm conditions.
- **REMOTELY CONTROL AND UPDATE IN-FIELD DEVICES**
  CorView's robust cellular or satellite communication capabilities enable two-way communication with most RMU devices to remotely modify device configurations and to apply software updates and eliminate the need for time-consuming manual system updates.
- **NO I.T. OVERHEAD**
  The CorView web-based platform is entirely supported by MOBILTEX with automatic updates and enhancements - no updates ever required! AWS [Amazon Web Services] delivers enterprise grade security, scalablity, and performance.

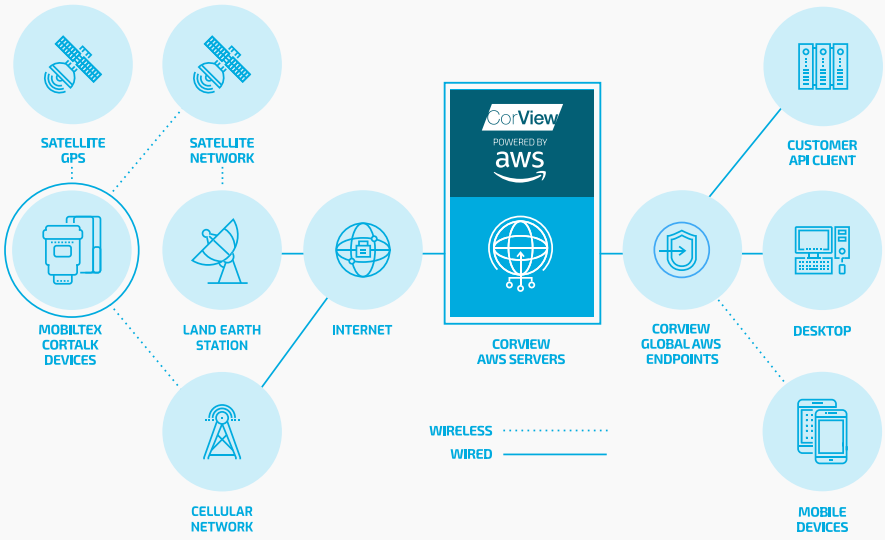
AICPA SOC
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SOC for Service Organizations | Service Organizations

CLOUD ACCESS

1 **DATA ACQUISITION, SECURITY & CONTROL**

2 **VISUALIZATION & ANALYSIS**

3 **REPORTING, ALARMS & COLLABORATION**



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ABOUT MOBILTEX®

At MOBILTEX, technology is just the beginning. We've been leading the industry in cathodic protection monitoring for corrosion prevention on over three hundred thousand of miles of pipelines throughout North America and around the world. That's why pipeline and corrosion engineers across all industries have come to rely on us.

With our innovative engineering, design and manufacturing, we've created dependable IIoT technology that's built smart, built tough, and built to last. Our success comes from thinking like our customers and we always engineer to effectively solve your unique challenges. We're proud to say we've proven our technology in the harshest, most challenging of environments — time and time again.

But it doesn't stop there, every one of our solutions is backed by our industry leading customer service and support team that's ready to take you from product selection, to the initial set-up, through to our ongoing support.

THIS IS MOBILTEX.
WE'RE THERE.



35+ YEARS
OF MONITORING INNOVATION

300K MILES
OF PIPELINE MONITORED

~200
MAJOR ORGANIZATIONS ASSETS PROTECTED

ONEOK · KINDER MORGAN · BHE TRANSMISSION · national gas · Williams · ExxonMobil · bp · ENBRIDGE · MARATHON · Shell · TC Energy



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