

Bullhorn RM4210 / RM4250[®] Remote Monitoring Units

Continual Tracking of the AC Corrosion Threat

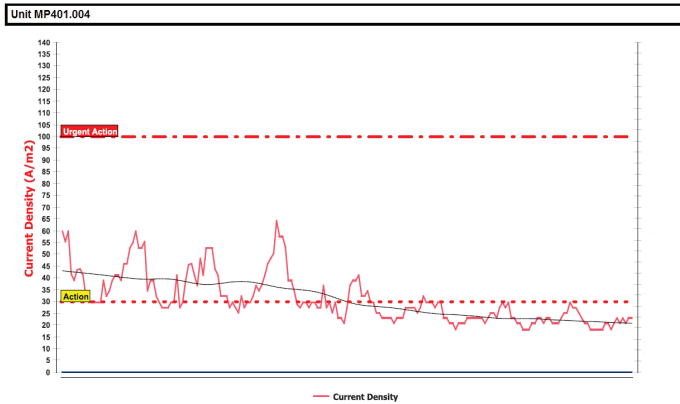


Monitor AC Coupon Test Stations with:

- 2 Current Channels for AC & DC Current Densities
- 3 Voltage Channels for AC & DC Potentials, Instant Off and a Decoupler
- Satellite or Cellular Communication

- **Quick Installation** – Install only takes a few minutes. Simply wire up the RMU to the test station, plug in the batteries and affix it to the top of the test station or pole. Installation is even faster when using a TRITON Test Station since they come ready to plug into a Bullhorn RMU.
- **Easy Configuration & Economical Data Plans** – Configuration can be done in the field using Bullhorn[®] Tools via Bluetooth or you can also configure it via Bullhorn Web from the comfort of your office. No need for extra adapters to connect to the device since these RMUs have Bluetooth built in. Contact your sales person to learn about our low-cost data plans.
- **Highly Accurate** – Measure with one percent of reading accuracy all the way through the range with auto-calibration and auto-zero for every measurement. For example, a 1 mV measurement will be accurate within ± 10 microvolts. Accuracy is especially critical when using a small AC coupon.
- **Reporting** – Quickly identify problem areas and ensure mitigation effectiveness using flexible reports and graphs.

Bullhorn RM4210



Easy-to-read reports and graphs to help you monitor important risk factors such as AC current density.

Specifications

Inputs

Readings: AC current density, DC current density, AC pipe-to-soil, DC pipe-to-soil, PCR AC current drain or voltage, instant off

DC voltage range: ± 100 V

AC voltage range: 0-100 V

AC Current Range: 0-200 mA

Input impedance: 10 M Ω

Channel-to-channel isolation: > 200 V

Instant Off

IR drop edge delay: IR drop edge delay: 200 ms

Configuration

Bullhorn Tools Mobile via Bluetooth low energy

Communications

RM4210 - IsatData Pro Satellite (Inmarsat)

RM4250 - LTE Cat-M Cellular (AT&T)

Software Interface

Bullhorn Web

Bullhorn Tools for iOS and Android

Power Supply

Internal, field-replaceable primary and secondary batteries
3-7 year life when recording measurements hourly or daily with weekly transmissions

Additional solar or DC input voltage: 10-24 V DC

Dimensions

\varnothing 6.06" x 3.96" H (8.22" H with test station adapter)

Data Integrity

Data stored in nonvolatile (EEPROM) memory

Queued two-way communication (communication to the RMU is queued in Bullhorn Web and is sent the next time the unit wakes up to transmit)

Environment

Temperature: -30° C to +60° C

Safety and Compliance

Certification mark: TUV

Tested Safety Standards:

CAN/CSA C22.2 No. 61010-1-2012

CAN/CSA C22.2 No. 61010-2-030:2012

UL61010-1:2012

UL61010-2-030:2012

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