

# BULLHORN RM520 INTERRUPTIBLE BOND MONITOR

Fewer trips. Faster stops.  
Better compliance.



**Powerful, Compact, and Cost-Effective.**  
Elevate your pipeline monitoring and interruption with the Bullhorn RM520 Interruptible Bond Monitor.

## THE NEXT-GEN BULLHORN RM5 RMUS

Part of the Bullhorn RM5 series of remote monitors, the RM520 Interruptible Bond Monitor offers cost-effective monitoring and interruption specifically designed for single-bond sites. Featuring a quick and straightforward setup, a 5-year battery life, and flexible communication options, the RM520 is poised to revolutionize your pipeline monitoring experience.

## PRECISE DATA: ANYWHERE, ANYTIME

The RM520 is engineered for seamless installation in remote and hard-to-reach areas, ensuring accurate data collection exactly where you need it. Its compact and discreet design effortlessly fits under the cap of a standard test station.

## SEAMLESSLY CONNECTED FIELD AND OFFICE

Customizable sampling, reporting, and alarm parameters get you the exact data you need, on the schedule you want. And the RM520 integrates seamlessly with Bullhorn Web, PCS, and other American Innovations solutions to accelerate workflows throughout your organization.

## BULLHORN RM520 HIGHLIGHTS

- ✓ AC/DC pipe-to-soil measurements
- ✓ 20A maximum interrupted current
- ✓ Two structure measurements, one shunt measurement
- ✓ Includes REL2502 Solid-State Relay with integrated 20A shunt
- ✓ 5-year battery life with field-replaceable batteries
- ✓ Small and discrete form factor
- ✓ Wireless configuration via iOS/Android app or Bullhorn Web
- ✓ AT&T LTE cellular or Iridium satellite connectivity options
- ✓ GPS-synchronized bond interruption with enhanced real-time monitoring
- ✓ Configurable alarms and alerts
- ✓ Compatible with Triton Test Stations
- ✓ Configurable security PIN via Bullhorn Web

# BULLHORN RM520 SPECIFICATIONS

## INPUTS

Channels	3 analog channels (2 structure and 1 shunt)
Max DC Voltage	+/-30Vdc
Max AC Voltage	20V
Accuracy	+/- 2% of range (AC or DC)
Input Impedance	20 Meg ohms
Channel-to-Channel Isolation	200V (DC or AC)
Surge Immunity	The RM5 system survives 8kV peak-to-peak, 300ms transients. Includes full 3-year warranty.

## INTERRUPTION

Minimum Switching Cycle	1s
On/Off Cycle Increments	100ms
Relay Support	REL2502 SSR

## RELAY SPECIFICATIONS

Type	Solid State Relay
Max Load Current	20A
Shunt Value	3.5 mOhms (3.5 mV = 1A)
Control Input Voltage	3.3V
Operating Voltage	100V peak/70 Vrms

## POWER

Power Source	Field-replaceable, non-rechargeable 1.5V AA lithium Batteries (x8)
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## COMMUNICATIONS

Cell Network (RM520C)	AT&T LTE
Satellite Network (RM520S)	Iridium
GPS	GPS Network, Accurate to 5m

## DIMENSIONS

RM520	3.05" D x 6.30" H
REL2502	2.92" L x .94 W x 9.59" H

## ENVIRONMENTAL SPECS

Temperature	-30° C to +60° C
Humidity	0 - 95%

## CERTIFICATIONS

FCC
Industry Canada

## FREQUENTLY ASKED QUESTIONS (FAQs)

### Is read-on-demand available for the Bullhorn RM520?

Because the RM520 is designed for infrequent reporting schedules and maintains a sleep state between transmissions, read-on-demand via Bullhorn Web is not available for the RM520.

### What is the most frequent reporting schedule available for the Bullhorn RM520?

The most frequent reporting schedule available for the RM520 is 1 week.

### How do I configure the Bullhorn RM520 settings and validate communication during the installation process?

To configure the RM520 and validate communication during the installation process, you can use the Bullhorn Tools app. You can download this app from either the Google Play Store for Android devices or the Apple App Store for iOS devices.

### How can I ensure my device and compliance data is secure?

In addition to Bullhorn's secure cloud platform, Bullhorn Web, both the Bullhorn RM540 Test Point and RM520 Interruptible Bond provide on-device security through a programmable security PIN. The PIN is programmed in Bullhorn Web.

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