

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 platform 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 shunt
- ✓ 5-year battery life with field-replaceable battery
- ✓ Small and discrete form factor
- ✓ Wireless configuration via iOS/Android app or Bullhorn Web
- ✓ LTE-M cellular or Iridium satellite connectivity options
- ✓ GPS-synchronized bond interruption with enhanced real-time monitoring
- ✓ Configurable alarms and alerts

BULLHORN RM520 SPECIFICATIONS

INPUTS

Channels	3 analog channels (2 structure and 1 shunt)
Max DC Voltage	+/-30Vdc
Max AC Voltage	20V
Accuracy	DC Voltage: +/-1% + 1mV AC Voltage: +/-1.25% + 5mV Ranges can handle simultaneous DC and AC voltages
Input Impedance	10 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

Interruption Verification	Every five minutes
Minimum Switching Cycle	1s
On/Off Cycle Increments	100ms
Relay Support	System surge rating maintained only with REL2502 SSR.

RELAY SPECIFICATIONS

Type	Solid State Relay
Max Load Current	20A
Shunt Value	3 mOhms (3 mV = 1A)
Control Input Voltage	3.3V
Operating Voltage	100V peak/70 Vrms

POWER

Power Source	Field-replaceable, AA lithium batteries (x8)
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COMMUNICATIONS

Cell Network (RM520C)	LTE-M
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

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