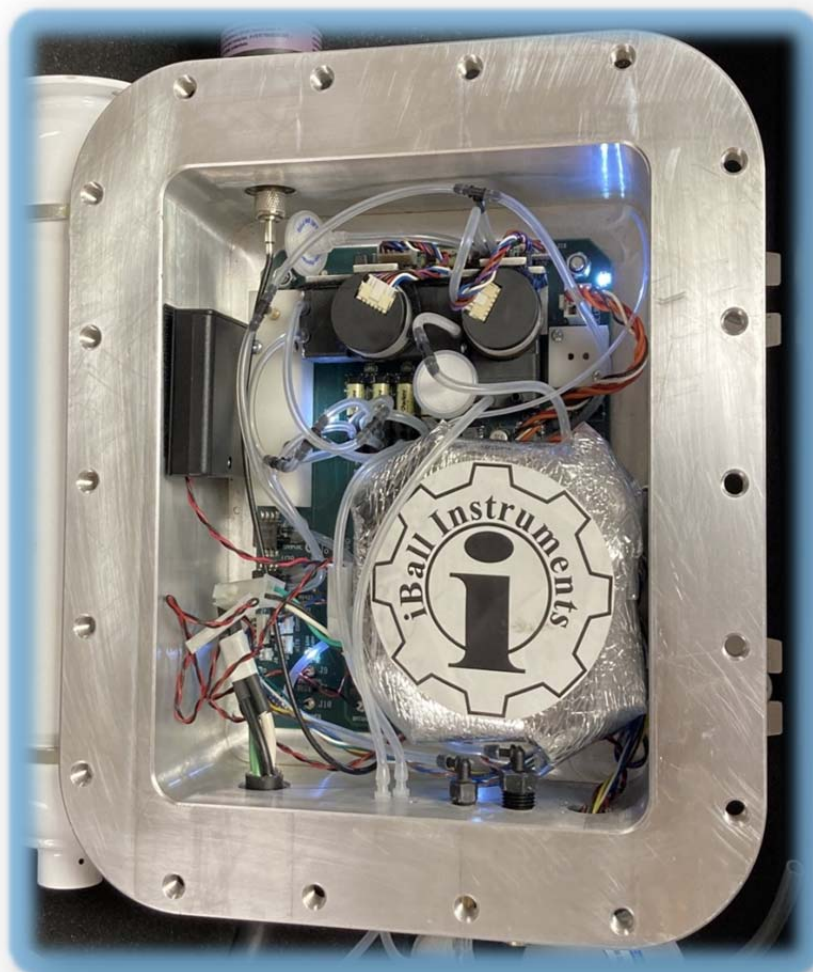


RIGWIRE™ WIRELESS SHAKER MOUNTED GAS DETECTOR AND CHROMATOGRAPH DATA SHEET



RIGWIRE SYSTEM FEATURES:

- ✓ **REDUNDANT** THERMAL COEFFICIENT DETECTORS
- ✓ **REDUNDANT** PILISTOR (HOT WIRE) DETECTORS
- ✓ INFRARED HYDROCARBON AND CARBON DIOXIDE DETECTORS
- ✓ LEAD BASED INDUSTRIAL OXYGEN REACTION SENSOR
- ✓ MEDICAL GRADE 20,000 HOUR PUMPS
- ✓ 4 MINUTE CHROMATOGRAPH
- ✓ EASILY SERVICEABLE PARTS
- ✓ AUTOMATED OR MANUAL STANDARD CALIBRATION INJECTION PORT USING STANDARD CALIBRATION GASSES
- ✓ 100% PASON COMPATIBLE FOR REPLACEMENT OF PASON FIELD EQUIPMENT
- ✓ EXPLOSION PROOF RATINGS ARE PENDING
- ✓ RSA 2048 BIT GOVERNMENT LEVEL ENCRYPTED COMMUNICATIONS

Call or visit our website Today for more information on the new
Rigwire Gas Detector and Chromatograph system.

RIGWIRE.COM

support@iballinst.com

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Release 01

July 2025

iBall Instruments LLC.

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McLoud Oklahoma 74851

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RIGWIRE SPECIFICATIONS

ITEM	NOMINAL	RANGE	DETAIL/NOTES
VOC DETECTION	Infrared Hydrocarbon Detector	0 - 500 Gas Units +/- 0.2% (Low Range)	Infrared Sensor detection of Hydrocarbons
VOC DETECTION	Thermal Coefficient Detector (1)	500-10,000 Gas Units +/- 2% (High Range)	Primary Thermal Coefficient Detector (1)
VOC DETECTION	Thermal Coefficient Detector (2)	500-10,000 Gas Units +/- 2% (High Range)	Backup Thermal Coefficient Detector (2)
VOC DETECTION	Pillistor (Hot Wire) (1)	0-500 Gas Units +/- 0.2% (low Range)	Primary Pilistor Detector (1)
VOC DETECTION	Pillistor (Hot Wire) (2)	0-500 Gas Units +/- 0.2% (low Range)	Backup Pilistor Detector (2)
O2 DETECTION	+/- 0.2	0 - 20.9%	Lead based chemsensor O2 Sensor
CO2 DETECTION	+/- 0.05	0 - 5%	Infrared CO2 Sensor
Serial Comms	RS-232 serial WITS RS 422	9600 bps	Wired RS232 Wireless 900 Mhz frequency hopping PASON WITS RS422 Wireless Cellular Option
Power Requirements	120V AC 0.5 Amps	90-160V AC 40-80 Hz	Designed to utilize dirty rig AC power
Backup Battery	13.5VDC	Internally regulated	Lasts up to 1 hour when disconnected from primary AC power
Temperature Range	-40 to 120 Degrees F -40 to 50 Degrees C	Internally regulated and vented	During cold weather internal heaters will operate to keep the system warm. During hot climates, the case is vented
Machined Billet Aluminum Case	Explosion Proof Rating Is Pending		The Machined Billet Aluminum case is unparalleled in the industry – Gone are the fragile cast Aluminum cases
4 Minute Chromatograph	Typical 160 F Degree Operation	Helium to Nc4	Helium Detector Optional
Brushless Pumps	20,000 Hour Minimum	Pressure regulated	Speed Regulated
Data Resend			Rigwire will resend data if it gets corrupted
Encrypted Communications	RSA	RSA 2046 bit	RSA encrypts and decrypts using public and private keys. The public key is disclosed, but the secret key is concealed. This enables keyless secure communication.
Integrated Blowback System	Clearing the Sample Line	60 Second Bursts	The Rigwire can detect a blockage at the inlet and can automatically blow back the sample line to clear it
Automated Drift Correction	Automatically adjusting The sensors for Drifting over time	Every 2 minutes	The Rigwire System will automatically adjust for drifting sensors.
Positive Case Pressure	The case is internally positive pressure maintained to keep dust and dirt out		