



RAC-44

RUGGED ACQUISITION SYSTEM

RAC-44 STANDARD PACKAGE:

- Rugged Aluminum Enclosure
- cDAQ 9191 Carrier
- Internal Battery
- Dimensions 4" x 4" x 12"

CDAQ-9191 SPECIFICATIONS:

- IEEE 802.11b/g (Wi-Fi) wireless communication interface
- 30 m indoor, 100 m line of sight wireless signal range
- 10/100BASE-T/X Ethernet port
- Advanced security with 128-bit AES data encryption and IEEE 802.11i (WPA2) support

SYSTEM APPLICATIONS:

- Strain or Load Measurements
- Roving Hammer Impact Tests
- Vibration Testing
- Temperature Measurements
- Rotating or Mobile Machinery

COMMUNICATION OPTIONS:

- Ethernet
- Wi-Fi

For More Information and Pricing Contact:

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The RAC-44 is a rugged wireless 802.11 battery powered device that digitizes and streams data from strain gauges, accelerometers, thermocouples or voltage sensors to a remote computer using iTestSystem data acquisition software. This system is ideal for low channel count data acquisition on mobile or rotating equipment.



Figure 1. RAC-44-003 Collecting Acceleration Data

RAC-44 Hardware & Sensor Features

- Wireless data collection via WI-FI
- 2-50KHz sample rate
- Synchronized channels
- Internal Battery

iTestSystem Software Features

- Real Time Data Collection
- High Speed Streaming
- Real Time Processing
- Post Test Processing Capabilities

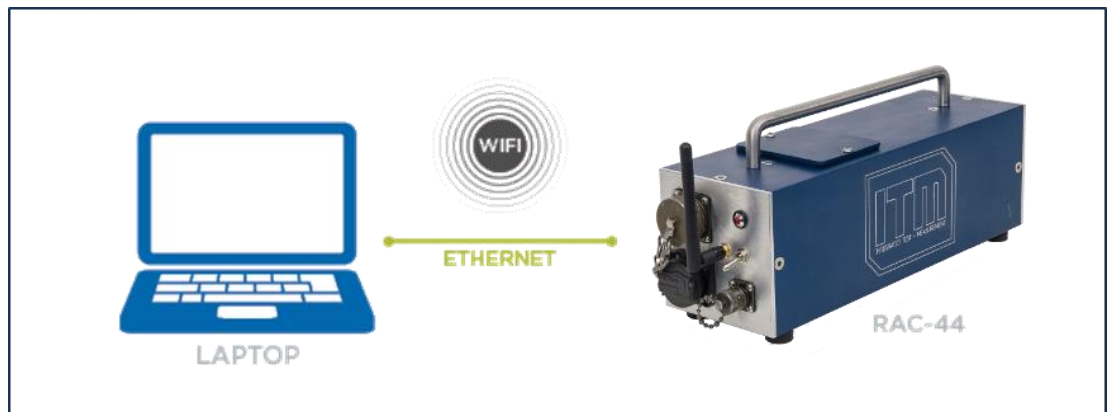


Figure 2. RAC-44 Communication

Ordering Information

Part No.:	Description	Channels	Type*
RAC-44-001	N/A	N/A	Rugged Enclosure, cDAQ 9191 Carrier, No Analog Input Card
RAC-44-002	Strain	8	350 Ohm, 1/4 Bridge Strain Gauges
RAC-44-003	Vibration	4	IEPE Sensors
RAC-44-004	Voltage	4	+/- 60 VDC Sensors
RAC-44-005	Temperature	16	Type K Thermocouple Sensors

*Sensors Not Included



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