



# TrueSight<sup>TM</sup> ACCEL

Wireless accelerometer option  
for the IRIS aiOne<sup>TM</sup> platform

## FROM INVISIBLE VIBRATION TO ACTIONABLE INTELLIGENCE — MEASURE IT. CORRELATE IT. SOLVE IT.

TrueSight<sup>TM</sup> Accel is RDI Technologies' wireless triaxial accelerometer option, engineered to complement Motion Amplification<sup>®</sup> by adding high-fidelity accelerometer vibration data. This fully integrated TrueSight<sup>TM</sup> option provides a scalable extension to visual diagnostics for industrial assets.



### Why TrueSight<sup>TM</sup> Accel?

- **Confidence Through Correlation** – Validate visual motion and quantitative vibration data.
- **Simplified Diagnostics** – IRIS aiOne<sup>TM</sup> contextualizes vibration data alongside Motion Amplification<sup>®</sup>.
- **Scalable Monitoring** – Ideal where there are inaccessible points or to measure high frequency low amplitude signals.

### IRIS aiOne<sup>TM</sup> Integration

TrueSight Accel synchronizes vibration measurements with Motion Amplification<sup>®</sup> video, allowing your IRIS aiOne<sup>TM</sup> system to deliver severity indicators, fault context, and faster root-cause confidence—without requiring vibration experts.





See bearing-level vibration and overall asset motion—simultaneously with TrueSight™ Accel.

## FEATURES

- Wireless triaxial vibration sensing
- Sampling rate of 6400 samples/second
- Dynamic range of +8 g
- Long lasting, user replaceable battery
- IP67-rated industrial housing
- Native integration with TrueSight™

## SPECIFICATIONS

### SENSOR TYPE

MEMS triaxial accelerometer

### RECORDING TIME

1 sec

### OPERATING RANGE

33ft (10m)

### FREQUENCY RESPONSE (X, Y, Z)

0.5 Hz - 7 kHz

### INGRESS PROTECTION

IP67

### SAMPLING FREQUENCY

6400 samples/sec

### TEMPERATURE RANGE

-40 °C to 80 °C

### MOUNTING

1/4-28, M6x1, M8x1.25, Magnet included

### DYNAMIC RANGE

+8 g

### WIRELESS PROTOCOL

Bluetooth® 5.2

### WEIGHT

4.6 oz (130 g)

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