



TrueSight™ ACCEL

Wireless accelerometer option
for the IRIS aiOne™ platform

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

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



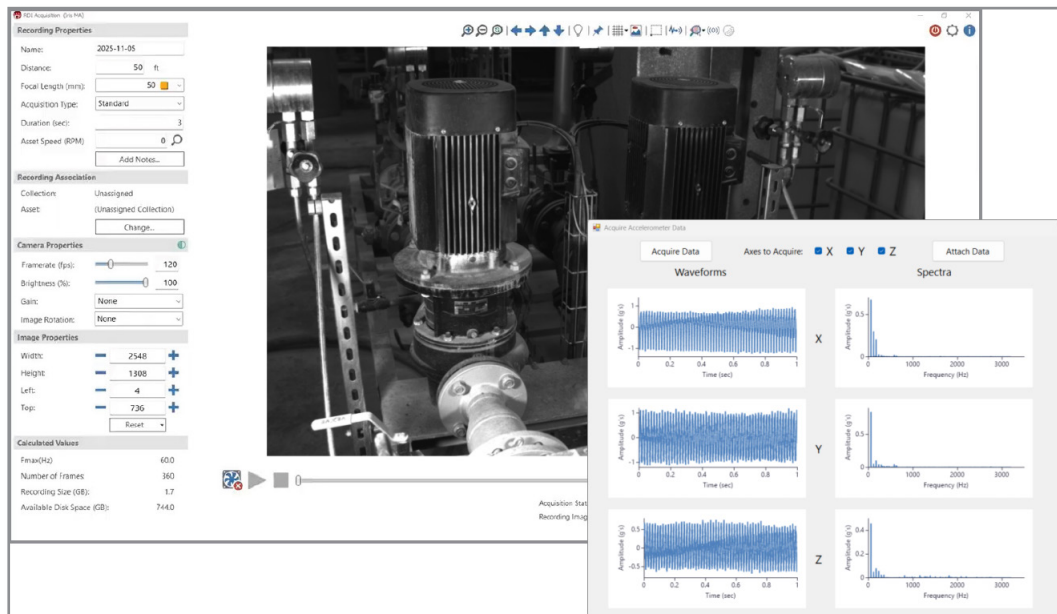
Why TrueSight™ Accel?

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

IRIS aiOne™ Integration

TrueSight Accel synchronizes vibration measurements with Motion Amplification® video, allowing your IRIS aiOne™ 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
- Long lasting, user replaceable battery
- Sampling rate of 6400 samples/second
- IP67-rated industrial housing
- Dynamic range of +8 g
- 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

RESOLUTION

16-bit

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)