



Quality portable data collection with the convenience and safety of wireless

DESCRIPTION

The popular Wi-care™ wireless product line is now available for portable data collection.



BENEFITS

- Quality Vibration Measurements – velocity and acceleration
- I-DNA Measurements for bearing and gear fault detection
- Triax measurements
- Control multiple sensors with a single button push
- Robust industrial design
- Supported by the cloud-based I-see™ platform
- Common database/tools for portable and wireless monitoring
- Up to 16 channels

Wi-care Wireless Sensor	Wi-care Model 131
Technology	Vibration & Temperature
Number of axes/channels	Triax
Input Range	±25 to ±50 g peak
Frequency Response	1 Hz to 10 kHz
Temperature measurement	±1 °C
Sampling frequency	80 kHz
Time waveform	Up to 32,000 point
Spectrum resolution	Up to 16,000 lines
Vibration shock	5000 g peak
Size/Weight (without sensor)	65 x 65 x 59 mm / 185 g
Casing	Solvent Resistant Polymer
Ingress Protection	IP67
Hazardous Area Rating	ATEX (pending)
Operating	-20 °C to +85 °C / 0-95% RH (non-condensing)
Temperature/Humidity Battery	LiPo battery 2100 mA-hr, 3.7V
Battery Life	1000 measurements on a single charge (typical)
Charge time	4 hr (typical)
Wireless protocol	Wireless Ethernet
Broadcast Range	25 m

Industrial Tablet	Specification
Display	8.1" IPS TFT LCD HD (1280 x 800), Touchscreen, sunlight readable technology
ATEX certification	ATEX Zone 2 T4
Processor	Intel® Atom x7-Z8750 1.6GHz, 2MB Cache
Temperature range	-21°C to +50°C
Storage/Memory	8GB / 256 GB
Camera	Front webcam, 8Mpixel rear camera
Connectivity	Wi-Fi, 4G LTE mobile broadband
Internal battery	Li-Ion, 7.4V, 4200 mAh typical
Snap Back expansion battery	14.4V, 2100mAh (optional)
Size/Weight	227 x 151 x 24 mm / 0.88 kg
Ingress Protection	IP65
Operating Temperature/Humidity	-21°C to +50°C / 0-95% RH (non-condensing)

Tablet Application	Wi-care Data Collector
Interface	Graphical
Data Types	Waveform, Spectrum, Overall, Frequency Bands
Sensor Type Number	Triax
of Sensors	1 to 4 sensors (multi-sensor support in future release)

Although every effort is made to ensure that the information contained in this document is accurate, I-care is not responsible for any errors. Specifications are subject to change without notice.

Would you like to know more about how I-care™ can help you reduce your downtime?
Visit our website or contact us!

