Wi-care PURE

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
- Single and 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

Wi-care Wireless Sensor	Wi-care Model 111	Wi-care Model 131
Technology	Vibration & Temperature	
Number of axes/channels	Single axis	Triax
Input Range	Up to 50 g peak	
Frequency Response	1 Hz to 10 kHz	
Temperature measurement	-20 °C to +85 °C ±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 Zone 0 (pending)	
Operating Temperature/Humidity	-20 °C to +85 °C / 0-95% RH (non-condensing)	
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
Keyboard	Power button and 5 tablet programmable buttons
Processor	Intel® Atom x7-Z8750 1.6GHz, 2MB Cache
Storage / Memory	8GB / 256 GB
Camera	Front webcam, 8Mpixel rear camera
Interface	Headphone and power jack, USB, Micro HDMI
Connectivity	Wi-Fi, Bluetooth, 4G LTE mobile broadband
Internal battery	Li-Ion, 7.4V, 4200 mAh typical
SnapBack 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	Single Axis and Triax
Number of Sensors	1 to 4 sensors (multi-sensor support in future release)

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

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