

## WI-CARE AND I-SEE, THE PERFECT MATCH FOR A GLOBAL 4.0 SOLUTION!

Wi-care™ & I-see™ create the perfect match for you in offering an easy and complete 4.0 predictive maintenance solution. There is no complex software installation or configuration as I-see™ is a cloud-based solution always up-to-date. Simply install your Wi-care™ sensors on your equipment and launch I-see™ on your device to visualize and analyze your data.



### A PORTAL DEVELOPED BY THE PDM EXPERTS

I-see™ is an easy, clear, quick and intuitive solution which was designed in-house by I-care™'s own engineers with a focus on machine reliability, making field and analytics work easier and more efficient. I-see™ data management and presentation is secure, simple and effective; you are able to visualize machine health, measure performance against a range of KPI's and produce diagnostics report, whatever the pRedictive technology used. All data is stored and managed to very high standards and, unlike many other online CMMS, the data is always owned by you.



## WI-CARE 200 SERIES

TASTE THE MOST ADVANCED MONITORING TECHNOLOGY

IT STARTS HERE



240

With Wi-care™ series, I-care™ fills a critical gap in the Condition Monitoring technologies for process industry assets. Developed by field experts in Predictive Maintenance and in operations since 2013, the Wi-care™ product range is likely the most performing wireless condition monitoring system available on the market. Combined with I-see, the cloud-based analytical platform, it makes a complete Maintenance 4.0 solution.

## WI-CARE 200 SERIES EXPERTKIT

Discover the portable version of Wi-care 240 : The Wi-care™ 200 series Expertkit! This little box can contain up to 2 Wi-care 240 unities and has 8 dynamic channels that can measure simultaneously your data.



- PLUG & PLAY SYSTEM
- MACHINE LEARNING
- MULTI-APP CONNECTED
- INTEGRATED TECHNOLOGIES

### CALL THE EXPERTS !

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

[WWW.ICAREWEB.COM](http://WWW.ICAREWEB.COM)

[MARKETING@ICAREWEB.COM](mailto:MARKETING@ICAREWEB.COM)

+32 65 45 72 14

- MULTI PURPOSE
- MULTI TECHNOLOGY
- 4 DYNAMIC CHANNELS
- SMART DATA CAPTURE
- VARIABLE SPEED

## Wi-care 200 series System

The Wi-care™ 200 series Smart Machinery System is a continuous monitoring system composed by Wi-care 240 modules and is completely flexible in its configuration. The Wi-care 200 series extends the Wi-care family of products from wireless to continuous monitoring solutions. Signals will be sent directly from the Wi-care 240 module to the I-see platform via the cellular communications. The only check you need to make is that you have a good enough cell signal in your area. This solution is available as the Wi-care™ 200 series Smart Machinery Starter Package.





# Your Global 4.0 solution



Wi-care 240

WI-CARE 240 TRANSMITTER	Multi purpose Transmitter	Vibration & Temperature for applications with fixed or variable speed machines
	Input channels	4 dynamic vibration with simultaneous temperature per module
	Tach input	2 volt inputs - 20,000RPM max
	Sensor	Compatible with any IEPE accelerometer or volt-output sensor
	Mounting	Din-rail mounting
	Power input	24VDC, low power consumption with sleep mode
DATA ACQUISITION	Resolution	Spectrum up to 80,000LOR/1ch, 20,000LOR/4ch
	Sample Frequency	120kHzMax, Spectrum up to 60kHz
	Filtering	Selectable low & high pass
	Early Fault detection	I-DNA
DATA COMMUNICATION	Wireless communication	Cellular 3G/4G, Lora or through a central gateway
	Communication to central gateway	LAN cable, 2.4GHz wireless
	Third party integration	Modbus or API REST
PLATFORM SERVER	Platform	100% web-based platform
	Data viualisation	Trend, Waveform, Spectrum
	Special function	Harmonic analysis, fault frequencies, alarms
CLOUD SERVER	Cloud platform	Webbased I-see
	Data Visualisation	Trend, Waveform & Frequency
	Special functions	Harmonic Analysis; Time/order based analysis

\*The data in this table have been calculated based on a standard configuration and without transmission disruption. Results may vary depending on sensor configuration, on-site installation, and ease of transmission.

## Multi-technology

Beside vibration and temperature sensors, you can also decide to connect other type of sensors to the Wi-care 240 module, such as ultrasounds or oil sensors, making the Wi-care™ 200 series a complete machine monitoring solution.



## Smart Tach Input



The Wi-care 240 is also equipped with two analog inputs for RPM detection (Smart Tach Input). In normal operation, it operates normally as a tach/speed detection device. The RPM data will be matched to the paired vibration channel. The Smart Tach Mode feature allows the module to wait until the machine achieves a certain speed to start the data collection. This is efficient vibration data collection, only when the machine is in operation.

## Flexibility without limits

This innovative approach to continuous machinery monitoring allows you to cover many machines or very complex machines easily. One bearing at time, one module at a time. The Wi-care™ 200 series Smart Machinery System does not have a chassis or rack that limits its configuration. Each Wi-care 240 module can operate independently or can be placed in a cabinet with a Gateway for maximum system density. No matter the number of machines, the size of a single machine, or the number of measurement points, the Wi-care™ 200 series can handle it.

