TWave

T8 Series

A unique state-of-the-art condition monitoring solution: an **edge-computing online CMS** ready for plug and play.

A Leading Condition Monitoring System for Global Asset Management

Plug & Play

No software installation or additional hardware is required.

TWave's state-of-the-art edge computing instruments are truly plug-and-play, fully autonomous, and capable of operating without a server, software, computer, or even an internet connection.

Simply plug in and start monitoring!
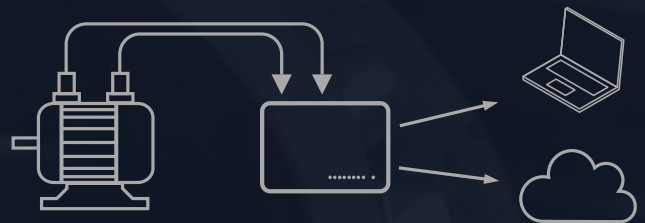
What makes T8 Series different?

Great Interface
Modern and sleek interface makes configuring and analysis tasks a breeze.

Edge meets Cloud
Powerful standalone operation and secure remote Internet access (IIoT- ready)

Easy monitoring
Compact and standalone, the T8 is also a portable Plug & Play solution.

Powerful & Reliable
Analysis tools for the most demanding applications, such as Turbomachinery.

Easy Integration
Our software supports industry standards: OPC UA, Modbus TCP-IP, Open REST API.

Expert
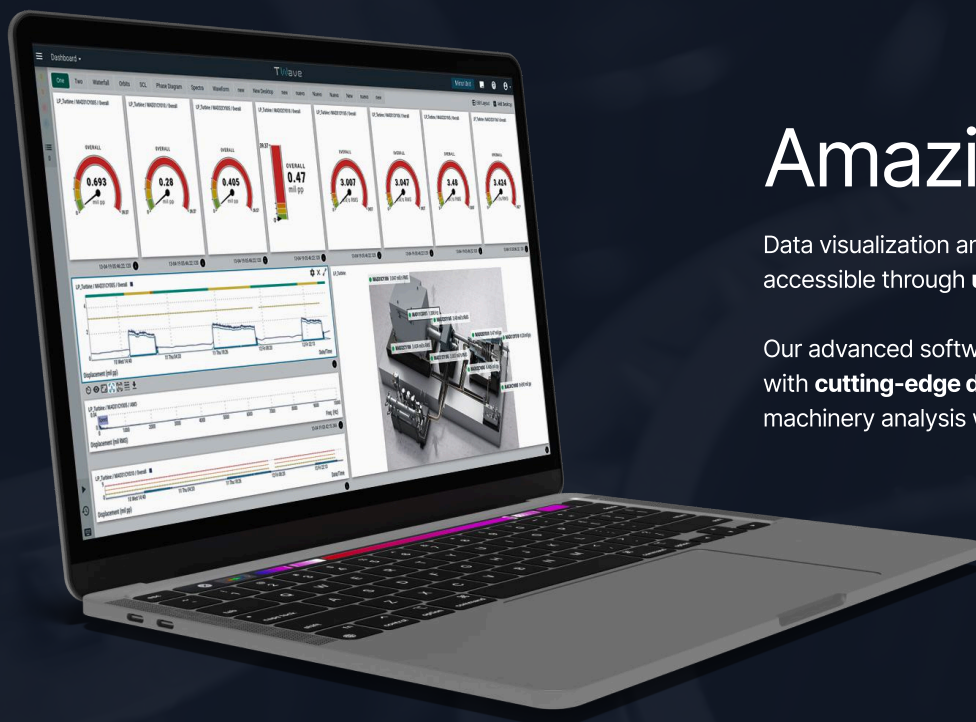Incorporating the expertise of vibration analysts over 20 years.

Up to date
Free firmware upgrades with new features, consistently released.

Cost effective
TWave T8 operates on one-time software licenses: no hidden fees.

Amazing Interface

Data visualization and measurement configuration are accessible through **user-friendly web applications**.

Our advanced software solutions empower experts with **cutting-edge diagnostic tools**, enabling remote machinery analysis without the need for on-site visits.

Widgets

- Parameter Matrix
- Online Value
- Trend
- Spectrum
- Waveform
- Mimic
- Full Spectrum

- Circular Waveform
- Waterfall
- Orbit
- Phase Diagram
- Shaft Centerline
- Long Waveform
- Order Tracking

Technical Specs

Analog Inputs	8 dynamic inputs 4 static inputs (T8-L)
Simultaneous Sampling Rate	Up to 51.2 kHz (102.4 kHz with HF option)
Input Range	±24 V (AC 24 Vpp)
Resolution and Dynamic Range	24-bit AD converter (16-bit effective) 110 dB dynamic range (x128 gain) 1% accuracy
Signal Processing	Up to 262.016 waveform samples Up to 12600 spectral lines Multiple filter and window modes
Internal Storage	32 GB storage, 1 GB RAM
Communication	Ethernet 10/100
Mounting and Dimensions	Standard 35 mm DIN rail 119×95×27 mm (T8-M) 162.2×95×27 mm (T8-L)
Operating Range	-30 to +50 ºC (-22 to +122 ºF)

Why TWave?

We are dedicated to transforming the way industries care for their most valuable assets

Since 2014, we have been **at the forefront of developing innovative solutions** for the monitoring and supervision of industrial machinery.

TWave specializes in **designing and producing** monitoring systems that focus on analyzing and diagnosing the operational condition of machinery.

We have earned the trust of **major global companies** and continue to expand our international presence, proving that innovation and excellence can be the driving force behind success.

Plug & Play

Our innovative edge analysis software, embedded in the hardware, is a unique solution in the market.

Powerful

Thanks to its high processing capacity, TWave technology can sample multiple analog signals at high speed in real time.

Flexible

Configure what data to save and when, setting custom alarm thresholds and machine states for optimal performance.
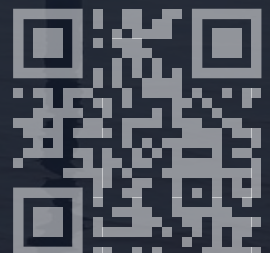
No hidden costs

Our edge instrument architecture is based on one-time software licenses. There is no need for a regular subscription.

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