

Ethernet Vibration System

VIBE-PORT-Ethernet

Remote Vibration Monitoring System



- Transmission of raw mV vibration waveform to anywhere in the World
- Output of raw mV allows any standard Vibration Data Analyser to be used
- Allows live monitoring of sensors in remote & in-accessible areas
- Each transmitter can have up to 8 standard vibration sensors

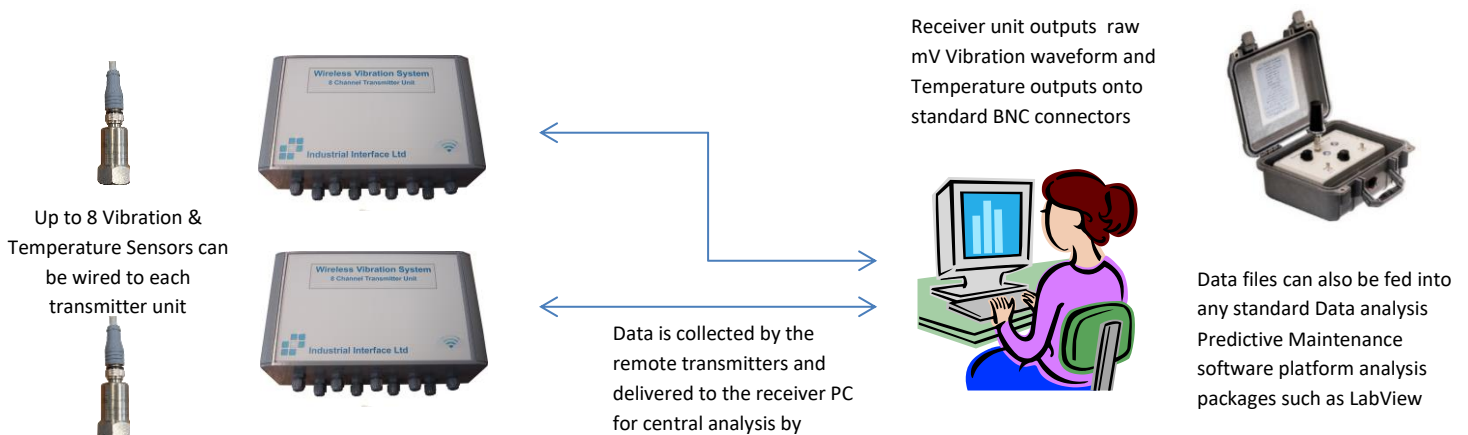
System Operation

The VIBE-PORT-Ethernet is a unique vibration system which allows the transmission of standard vibration and temperature sensors to anywhere in the World. The system then re-forms these signals into standard analogue waveforms at the receiver enabling them to be monitored using any Vibration Data Analyser or collector. These files can also be 'played' into any suitable analysis software such as LabView.

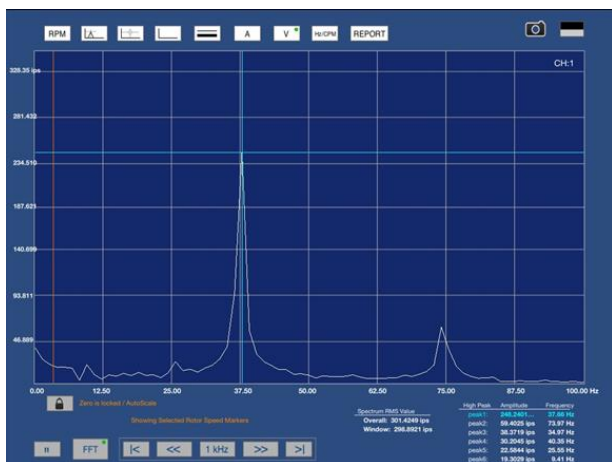
At the receiver end PC software allows a timetable of data collection to be entered and then the software connects to the remote transmitters and obtains approx. 1 minute of raw mV Vibration data from the transmitters selected. The remote transmitter must have an Ethernet connection, via either a local network, cellular connection or satellite link.

The system works with any standard industrial vibration sensors and is ideal for installations where access to the machinery being monitored is difficult due to Health & Safety regulations or remote locations where travel is difficult. It also allows more data to be collected than would normally be financially viable, giving better and more accurate notice of deteriorating assets.

A typical system set-up would be as below.



Parameter	Min	Typ	Max	Comments
Supply Voltage	12	24Vdc	36	
Ethernet connection		RJ45		
Data File length		60s		At 50kHz sampling rate
Data resolution		16 bit		Analogue output is true mV waveform
Freq Response	0Hz		22kHz	
Receiver outputs		mV		Outputs of Vibration mV and temperature V file can also be 'played' into software packages such as labView
Typical range		Worldwide		Via Ethernet network, Internet cellular or satellite communications links
Notes	For frequency response graphs and other test results please contact sales			



Typical Output from the receiver unit displayed on an iPad analyser, showing the frequency spectrum of the received waveform.



Mounting	Wall or Panel Mounting
Orientation	As shown
Connections	Screw Clamp with pressure plate
Conductor size	0.5-4.0mm
Insulation Stripping	12mm
Size	270 x 170 x 90mm
Weight	Approx 500g

Ordering information	
Please supply:	
Part Number:	Vibe-Port-Ethernet
Power Supply	12Vdc
Comms Connection	RJ45
No of channels	8