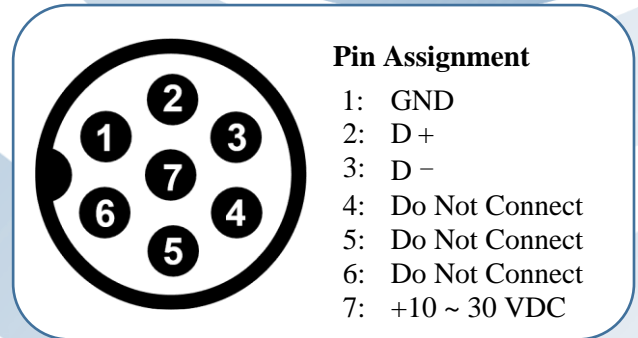
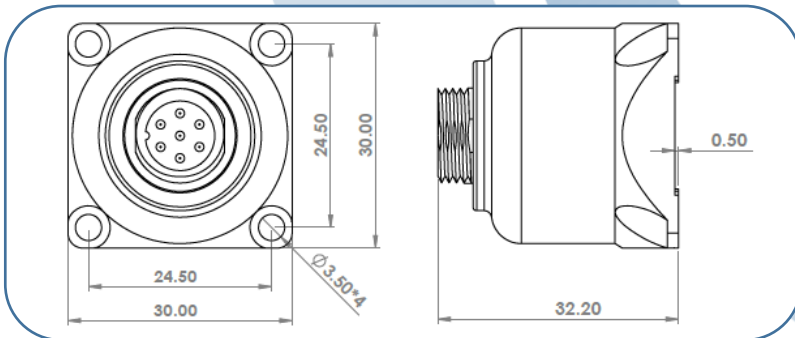
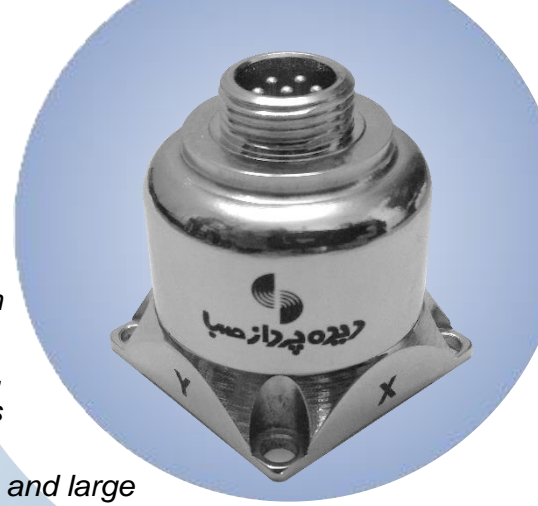


## Network Accelerometers

VibNet 354/356 is a network based acceleration transducer with high performance capabilities for both industrial and research applications.

Thanks to low noise and wide temperature tri-axial MEMS accelerometer, synchronous vibration measurement over a chained network topology is possible.

Special specifications such as long cable length, high output data rate and large number of nodes, make it the best choice for structural tests such as ODS and OMA (Operational Modal Analysis). Since, it has an open source and free NI LabVIEW software, users can develop their own application software or export signals in standard vibration data formats.



Specification	Unit	Model	
		VibNet 354	VibNet 356
Measurement Directions	---	X, Y, Z	
Measurement Range	g	± 2/4/8	± 10/20/40
Minimum Frequency	Hz	0	
Maximum Frequency (-3dB)	Hz	100, 200, 500, 1000	
Output Data Rate	Hz	Up to 20 kHz	
Sensitivity (on lower range)	Counts/g	14563 (±2 g)	2913(±10 g)
ADC Resolution	bits	16	
Noise Density (on lower range)	µg/√Hz	20	80
Broadband Resolution (RMS Noise, on lower range)	g	1 ~ 100 Hz	0.00025
		1 ~ 1000 Hz	0.0008
Mounted Resonance Frequency	Hz	> 5000	
Non-Linearity	%	0.1	
Transverse Sensitivity	%	< 5	
Operating Temperature	°C	-20 ~ +70	
Storage Temperature	°C	-40 ~ +85	
Temperature Sensitivity	% / °C	± 0.01	
Output	---	RS485	
Output Protocol	---	PROFIBUS / MODBUS / VibNet	
Output Type	---	Acceleration or velocity signal or overall value	
Processing Techniques	---	Bandpass filter, Integration, RMS, Peak, Pk-Pk	
Maximum Cable Length	m	100 (Extendable by repeater)	
Synchronization Error	µsec	< 1	
Power Supply	VDC	10 ~ 30	
Power Consumption	mA @ 24 VDC	15	
Size	mm	30(L) × 30(W) × 33(H)	
Weight	gr	80	
Case Material	---	Stainless Steel	
Case Sealing	---	Epoxy Resin	
Mounting	---	4 × Ø3.5 mm	
IP Rating	---	IP 65	