

TRIAXIAL VIBRATION MONITORING INSTRUMENT



The ActiMon-X1 is a complete monitoring solution that connects directly to a computer or a network using standard Ethernet or USB connections. This connection scheme enables ActiMon-X1 users to connect to their laptop for quick investigations and enables a low cost scheme for integrating sensors into an existing or new network.

When adding sensors to a building the ActiMons can be plugged into an existing Ethernet network and completely bypass the need to run additional cables. For structures that don't have networks, Ethernet cables provide a reliable, low-cost, one-cable solution for connecting and deploying ActiMons.

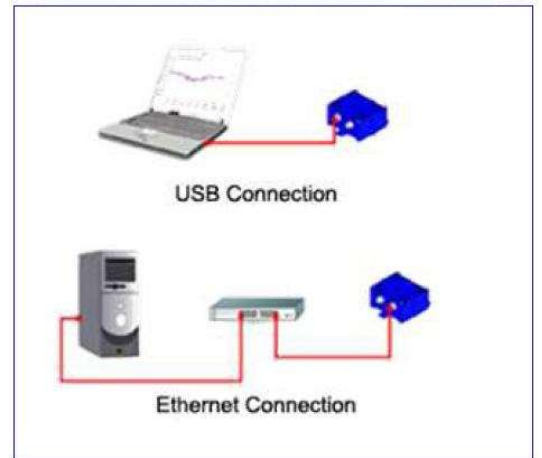
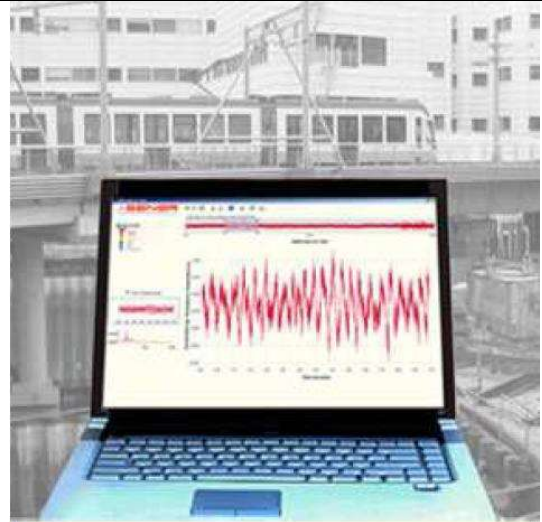
The ActiMon-X1 ships with a complete suite of software elements that tailor the ActiMon-X1 to your specific monitoring need. For users who need a quick and easy solution to measure and analyze how a structure is performing; ActiMons come with point-and-click Windows program that captures and graphs responses so you can identify thresholds and compare performance.

For users who need to incorporate the sensing capabilities of the ActiMon-X1 into a new or expanding monitoring program, the included application programmers interface (API) and a command prompt program provide the gateways for quick expansion.

MODEL ACTIMON-X1 ActiMon 18.1010

The ActiMon-X1 represents a new breed of sensors that is designed to make collecting and analyzing structural information easier than ever before.

The ActiMon-X1 is a versatile all-in-one sensor for monitoring many conditions, the ActiMon-X1 combines: 3-axis accelerometer, 2-axis inclinometer and one temperature sensor into one small sensing module.



FEATURES

- 3-axis accelerometer
- 2-axis inclinometer
- Temperature sensor included
- No reading unit needed
- Connection to pc via USB or Ethernet port

PERFORMACES

Size	:	12 x 11 x 5.8 cm
Weight	:	0.57 kg
Operating temp range	:	-40°C to 80°C
Environmental rating	:	IP 67
Connectivity	:	1-M12 Ethernet, 1-M12 USB (max. length 75 m, 150 m using PoE switch extender)
Communication	:	Ethernet or USB
Power source	:	Ethernet (PoE) or USB
Power consumption	:	200mA @ 5V

SPECIFICATIONS

	Accelerometers	Tiltmeter:
	MEMS, 3-axis	MEMS, 2-axis
Measurement range	: $\pm 1.5g$	$\pm 15^\circ$
Resolution	: 50 μg	50 μ°
Frequency response	: DC - 200Hz	n/a
Output sample rate	: Selectable up to 2000 SPS	10 SPS

ORDERING INFORMATION

Please specify length of Ethernet and/or USB connection cables