

## TRIAXIAL FORCE-BALANCE ACCELEROGRAPH



The SysAcX-000 is a complete monitoring solution that connects directly to a computer or a network using standard Ethernet or USB connections. This connection scheme enables SysAcX-000 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 SysAcX-000 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 SysAcX-000.

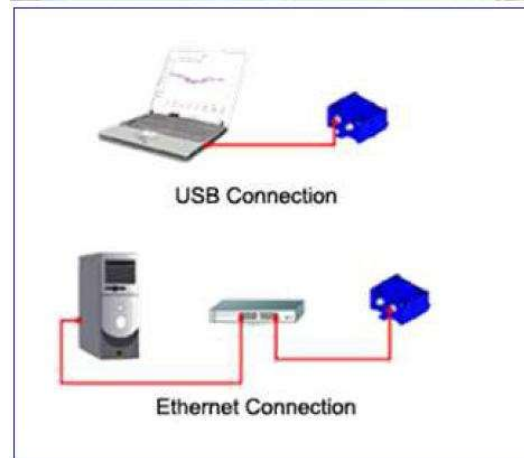
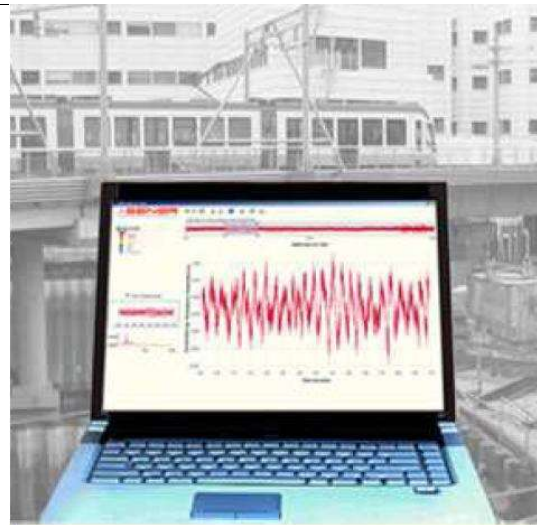
The SysAcX-000 ships with a complete suite of software elements that tailor the SysAcX-000 to your specific monitoring need. For users who need a quick and easy solution to measure and analyze how a structure is performing; SysAcX-000 come with point-and-click Windows program that captures and graphs responses so you can identify thresholds and compare performance.

For users who need to incorporate the sensing capabilities of the SysAcX-000 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 SysAcX-000

The **SysAcX-000** represents a new breed of sensors that is designed to make collecting and analyzing structural information easier than ever before.

The SysAcX-000 is a versatile all-in-one sensor for monitoring many conditions. The SysAcX-000 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

#### SPECIFICATIONS

|                             |   |                                                                               |                   |
|-----------------------------|---|-------------------------------------------------------------------------------|-------------------|
| <b>Size</b>                 | : | 12 x 11 x 5.8 cm                                                              |                   |
| <b>Weight</b>               | : | 0.57 kg                                                                       |                   |
| <b>Operating temp range</b> | : | -40°C to 80°C                                                                 |                   |
| <b>Environmental rating</b> | : | IP 67                                                                         |                   |
| <b>Connectivity</b>         | : | 1-M12 Ethernet, 1-M12 USB (max. length 75 m, 150 m using PoE switch extender) |                   |
| <b>Communication</b>        | : | Ethernet or USB                                                               |                   |
| <b>Power source</b>         | : | Ethernet (PoE) or USB                                                         |                   |
| <b>Power consumption</b>    | : | 200mA @ 5V                                                                    |                   |
|                             |   | <b>Accelerometers</b>                                                         | <b>Tiltmeter:</b> |
|                             |   | MEMS, 3-axis                                                                  | MEMS, 2-axis      |
| <b>Measurement range</b>    | : | ± 1.5g                                                                        | ± 15°             |
| <b>Resolution</b>           | : | 50 µg                                                                         | 50 µ°             |
| <b>Frequency response</b>   | : | DC - 200Hz                                                                    | n/a               |
| <b>Output sample rate</b>   | : | Selectable up to 2000 SPS                                                     | 10 SPS            |

#### ORDERING INFORMATION

Please specify length of Ethernet and/or USB connection cables