

SYTMIS® v2 acquisition unit

High Quality Acoustic and Microseismic Digitizer



Ineris provides monitoring services based on the SYTMIS® equipment series as a unique range of systems designed for real-time acoustic and seismic monitoring in a wide range of industrial applications.

The **SYTMIS® v2** acquisition unit offers high quality standards to yield accurate data with reliable fast transmission. Easy to use, it can be deployed for permanent or temporary purposes, in standalone or in network conditions. Its features offer very versatile acquisition strategies when deployed in cluster.

Highlights

Cost-effective Technology

24-Bit Resolution

Very Low Noise

Continuous and Triggering recording modes

Ready for Cloud Monitoring

Fully compatible with SYTMIS® Probes

Easy to use

Field Applications

Mines & Quarries

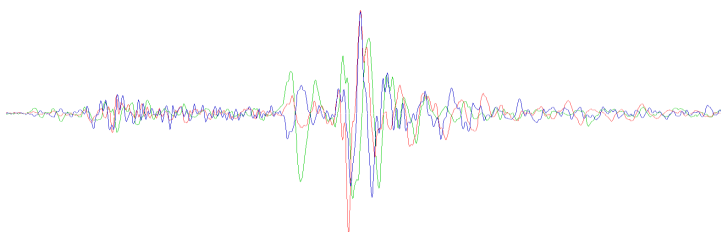
Geological storages

Geothermal systems

Oil & Gas reservoirs

Dams & Dykes

Landslides & Rockfalls



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SYTMIS® v2 acquisition unit

Main Features

Input signal	Channels: 8 differential inputs Resolution: 24 bits Full scale: 20 Vpp at gain 1 Impedance: 20 kΩ Dynamic range: 103 dB Hardware gain: 1 or 10 Sampling rate: 100 to 8000 sps (in Triggering recording mode) 100 to 4000 sps (in Continuous recording mode)
Electrical characteristics	Power Supply: 8 – 54 VDC (Power over Ethernet compatible) Consumption: 5 W 1 Analog Input: 8 – 54 VDC 3 Relay Outputs: To switch on external devices (Modem, GPS,...)
Data storage	Micro SD Card: 16 GB (standard) 256 GB (option)
Timestamping	Accuracy: < 1 ms Interface option: GPS, LAN (with optional timestamping module)
Communication	Embedded: 2 x RJ45 ethernet ports Interface option: 4G Cellular Modem Data transfer: FTP (integrated FTP server)
Setting	Quick setting: HTML (integrated web server) Complete setting: by configuration file
Health state	Internal monitoring: Power supplies, internal temperature, remaining memory External monitoring: 2 LEDs indicate the operating status
Environment	Operating temperature: -20°C to +50°C Storage temperature: -25°C to +70°C Enclosure: Optional IP65 box on demand
Mechanics	Dimensions: Height: 330 mm, Depth: 100 mm, Width: 40 mm Weight: 400 g

SYTMIS® is registered trademark of Ineris. All specifications subject to change without notice.

For more information, please contact us.

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