

IS Networking Monitoring System

Easy monitoring

With a fully digital Profound IS-system you can easily monitor your geotechnical or structural instrumentation project. The highly adaptable IS-network system is configured for each project. It can easily be configured to meet most construction monitoring requirements.

Installation

Installation and expansion are very simple, with up to 100 measurement points per network, interconnected with just one cable. If you equip the IS-network with a GSM-connection, you can directly retrieve the measurement results and view the data wherever you are, enabling you to closely follow your project remotely.

Measurement results

After starting up, the network PC will automatically detect the sensors attached and they will start measuring according to the preset interval. The measurement results are then sent to the central PC where you can directly view them. You can quickly and easily process, export and graphically present the measurement results on your PC.

Without difficult conversion factors every 'Intelligent Sensor' immediately gives the measured values in the correct unit. The sensors can also carry out simple data processing like calculating the minimum, maximum and average values.

Advantages

- High accuracy - 24 bit A/D conversion, fully digital transmission
- Flexible: up to 100 different IS-sensors in one network
- Cost-effective:
 - Fast simple installation
 - Easy to repair and to extend
 - Minimal time and effort to frequently read out so many sensors
- Remote data retrieval and remote update by GSM
- Intelligent sensors:
 - All the vital calibration data are stored in the sensor (calibration date, sensitivity, unit etc)
 - Data is directly processed into the correct unit
 - Automatic temperature measurement and correction in every sensor
- Multifunctional sensors:
 - In an IS-network
 - With a IS-GSM module
 - In stand-alone mode



