

### ISIS Module #1-500

#### General

The BAT GRPS-module is a new state of the art GPRS-logger for remote transmission of sensor data.

The solar panel supports the built in 3.6V lithium battery ensuring a maintenance free remote data acquisition system.



#### Measurement Channels (internal):

Temperature  
Atmospheric pressure  
Battery status  
Runtime  
Network voltage  
Network current

#### Measurement Channels (external):

10 IS-sensors  
Pressure  
Inclination  
Liquid level sensor  
Potentiometer

#### Internal sensor:

Ceramic 0.8...1.2 bar (absolute)

#### Operating temperature:

-20°C to + 50°C

#### Dimensions etc.

Protection:

IP 65

Weight:

385 grams

Dimensions:

124 x 84 x 44 mm

#### Power management:

Lithium-Ion battery 1.1Ah

Solar panel 0.4Wp @AM1.5

Charger 12V 0.3A (1 hour charging time)

#### **Features**

The ISIS Module is an effective tool for geotechnical project monitoring which offers high field flexibility for small and medium sized networks.

Up to 10 IS-Sensors can be connected to one ISIS Module.

Various types of parameters can be measured such as:

- Pore pressure
- Groundwater level
- Inclination
- Vertical Displacement
- Load

#### **Wireless data transfer**

The data is transferred via a GPRS-connection to a FTP-server as e-mail or automatically shown on a designated website such as ARGUS.

#### **Adaptive power management**

The ISIS Module is powered by a lithium battery and a built-in solar panel. The energy harvesting via the solar panel ensures optimum use of the available power.

The combination both battery and solar panel enables the ISIS-Module to efficiently operate in the field.

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