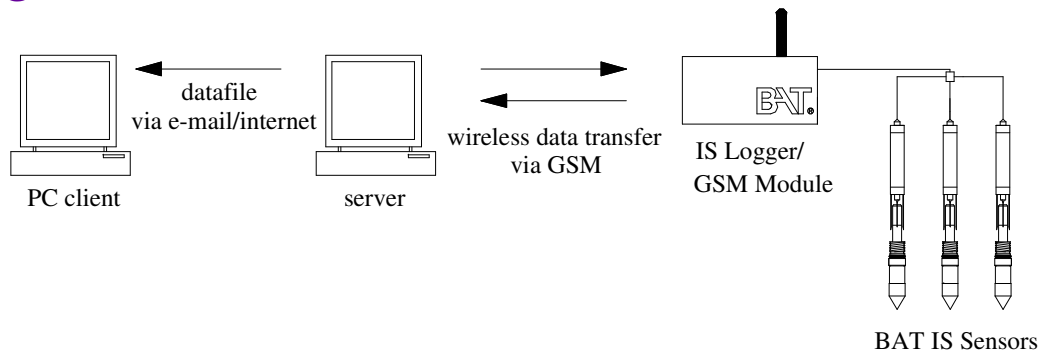


Technical specifications

IS Logger/GSM Module



IS Logger/GSM Module (#1-302)

General

The IS Logger/GSM Module is a fully digital unit offering you the possibility to monitor your project remotely or directly in the field. You can choose to log measurement data with or without using the GSM connection.

Field monitoring

Using the IS Logger/GSM Module in combination with the IS Field Unit you can directly display all measurements in the field. You can also set, log and download measurements. The measurement results are further processed and presented on your Windows PC.

Remote monitoring

Via a wireless, built-in GSM-connection you can choose to receive the measurement results from up to 10 IS sensors on your PC, when and where you want. Thus, you have an excellent and reliable opportunity to directly control the project without having to go into the field.

The GSM Module sends the measurement data at a preset interval to the server PC. Status and data mails are automatically sent to your Windows PC, where you can easily process and present the measurement results.

Advantages:

- up-to-date project monitoring: data are digital available at any time and can be sent world-wide;
- large distances between sensor groups are made possible by using several units;
- remote update of sensor settings; e.g. switching to a higher or lower measurement frequency;
- cost-effective: fast, simple installation. Minimal time and effort needed to frequently read out so many sensors;
- flexible: different types of IS-sensors can be connected to the same system.



Specifications

Protocol IS-system:	CAN (Control Area Network).
4-wire cable system:	wire 1: >7 V (max.18V) not stabilized wire 2: digital; wire 3: digital inverse of wire 2 wire 4: 0 (mass)
Operating temperature:	-20°C to +40°C
Measurement channels:	5 BAT IS Sensors (8051) or 10 IS Sensors (ARM) Internal battery; Temperature; Atmospheric pressure
Flash memory:	2 MB
Run time:	> 1 year (daily wireless data transfer; measurement frequency 1 h + 2sensors)
Battery:	3xD-size, 1.5 Volt alkaline battery
Protection:	IP 62
Weight:	900 grams
GSM	
Full type approval:	GSM ETSI Phase 1 and 2 compliant
Sensitivity:	GSM:< 104 dBm / DCS:< -100 dBm.
Internal atmospheric pressure sensor	
Pressure range:	0.8...1.2 bar (absolute)
Linearity:	Typical 0.15%, max. <0.35%



www.bat-gms.com
info@bat-gms.com

BAT Geosystems AB
P.O. Box 1060
186 26 Vallentuna
Sweden

Phone: +46851170600
Fax: +46851173361