CAUTUS GEO
surveying for safety

CAUTUS
LOGGER

Cautus Logger CL1

Data logger for geo- & environmental monitoring

» **Robust, flexible and low power consumption**

» **Compatible with 4-20 mA, vibrating wire and 1-wire analog sensors**

» **RS-232 and RS-485 ports support serial sensors**

» **Supports camera to take photos of project areas**

Cautus Logger, CL1, has been developed based on many years of experience in remote geo- and environmental monitoring. It is a flexible, simple and robust data logger that accommodates a wide range of different sensors.

The CL1 comes either as a basic logger or with an expansion for integration of vibrating wire devices. The logger can be accessed remotely in the field through a secure tunnel based on OpenVPN or a private APN, which also simplifies administration. Transmitted data can be displayed in Cautus Web or a third party software.

The logger has an overall low power demand and is designed for use in remote, unattended applications where only alternative energy such as solar is available.

![Cautus Logger logo]

Cautus Logger CL1

Data logger for geo- & environmental monitoring

SPECIFICATIONS

4-20 mA interface	Standard
Channels	6
Resolution	15 bit
Accuracy	0,1%
Sensor voltage	5V / 7,5V / 10V / 12V
Vibrating wire interface	Requires VW module
Channels	6
Excitation voltage	5-12V
Range	20-20000 Hz
Resolution	0,001 Hz
Accuracy	0,00025%
Modem	Quad band GSM/GPRS
SIM	Micro SIM
Communication	TCP/IP, OpenVPN
Data transmission	FTP
Camera	UVC webcam up to 1280 x 1024 JPG
Ethernet	1 x 10/100 Mbps
RS-232 ports	1
RS-485 ports	1
1-wire ports	1
Power consumption	
Min	30 mW
Max	125 mW (data transmission)

Vibrating Wire Sensors + Current Sensors