Art. No. 053.70

Logger DL + BDL

Data logger for wall installation/well logger for installation in standpipes

Latest controller technology

Data transfer via GPRS

GLÖTZL

DL + BDL

Loggers for long-term monitoring

The two logger models DL (data logger) and BDL (well logger) are based on the latest, power-saving controller technology and are mainly used in the area of long-term monitoring, also with battery operation. A large variety of sensors from our product range can be universally connected to the loggers.
No matter whether you need linear displacement sensors, pressure, temperature or force sensors – the loggers can be configured individually to suit your requirements.
The measurements are recorded at regular intervals and with GPRS-Modem are transferred to a central collection point. In measurement mode, programmable limit values monitor the recorded measurements and, if required, can trigger
e-mail or SMS messages. Thus DL and BDL work as active reporting units for events that exceed the limited threshold range. Using our loggers and the associated data analysis by our system reduces your costs to a minimum and also gives you a good oversight in large projects.

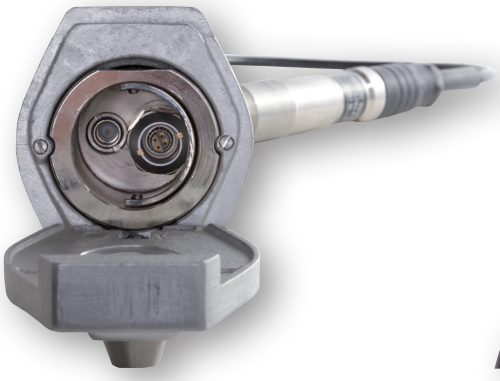

Fig. BDL 6“ end cap with GPRS antenna

Fig. Base of the BDL, with atmospheric pressure compensation

As with all our devices, we offer the option of adapting special sensors, such as vibrating wire sensors, on request. An interface for a corresponding variable measurement adaptation is available.

The data can be taken from the logger via a USB interface and can be read out on a local PC. We also offer modern data transfer to the Internet. At defined intervals the data is transferred to a GLL server from where you can read it out and view it at any time
via a browser with no additional software.
The measurements are transferred via GPRS with secure SSL encryption, which protects them from unauthorised access.

KEY DATA

- Max. 2-8 sensors can be connected
- 16-bit analogue/digital conversion
- Storage capacity for max. 800,000 measurements
- Operated with conventional mono-cells
- 1 time programme for measurements at intervals of between 1 minute and 24 hours
- 1 time programme for data transfer to the Internet via GPRS
- IP66 protection type, higher if required
- Internal battery capacity is recorded
- Operating time 2 to 3 years depending on the mode of operation and the frequency of GPRS transfer
- Standard power supplies 1 mA, 0.1 mA, 1 V
- Standard measurement inputs 18 mV/ 300 mV/2400 mV
- Additional slot for optional extendable power supply (4-20 mA/AD 590, vibrating wire, LVDT)

DATA TRANSFER

- Standard with USB interface to local readout PC
- Bluetooth version
- Internet version with modem antenna with GPRS data query and Internet transfer

ACCESSORIES

- Internal atmospheric pressure sensor
- Seba cap with GPRS antenna
- Terminal programme GLL V3 or V4
- 3“ or 4“ level adapter
- Bluetooth

GLL-SERVER

The operation of a GLL server is a component of the configuration as GPRS logger. At defined times the DL and BDL loggers transfer their measurement data to a server on the Internet where the data is available in a database. The presentation and configuration by the customer are password protected and can be done via your existing browser with no additional software needed.

Fig. DL with water pressure sensor and PG connections for up to 8 sensors, GPRS radio antenna

CHOICE OF FUNCTIONS:

- Query logger status (battery charge level)
- Display/download measurements
- Change time programme of logger measurements
- Define GPRS parameters, i.e. transfer frequency
- Change channel parameters of the logger
- Define up to 10 calculated measuring points in the GLL server (any formulas and units can be used), average measurement data of the original channels against each other, e.g. atmospheric pressure compensation
- Change time
- Activate alarm monitoring. Define limit values on all measured and calculated measuring points of the logger
- Configurable alarm responses by e-mail and/or SMS to the customer‘s address
- User-defined configuration of alarm messages

Measured data download and optional automatic e-mail transfer of the current data packets in different file formats (zip archive, AES encryption if required) possible.

ADVANTAGES

- Project-related management and overview of your own loggers
- Customer access to the GLL server via user name and password
- Protected data connection via SSL encryption, transfer rate approx. 3,500 measurements per minute
- Automatic e-mail sending and limit value alarms
- Remote configuration of parameters/data via an Internet browser
- All changes made on the Internet are automatically synchronised with the GPRS logger

Data for access to the demo so you can get to know the functionalities:

www.gllserver.com
User name: Demo
Password: Passwort!

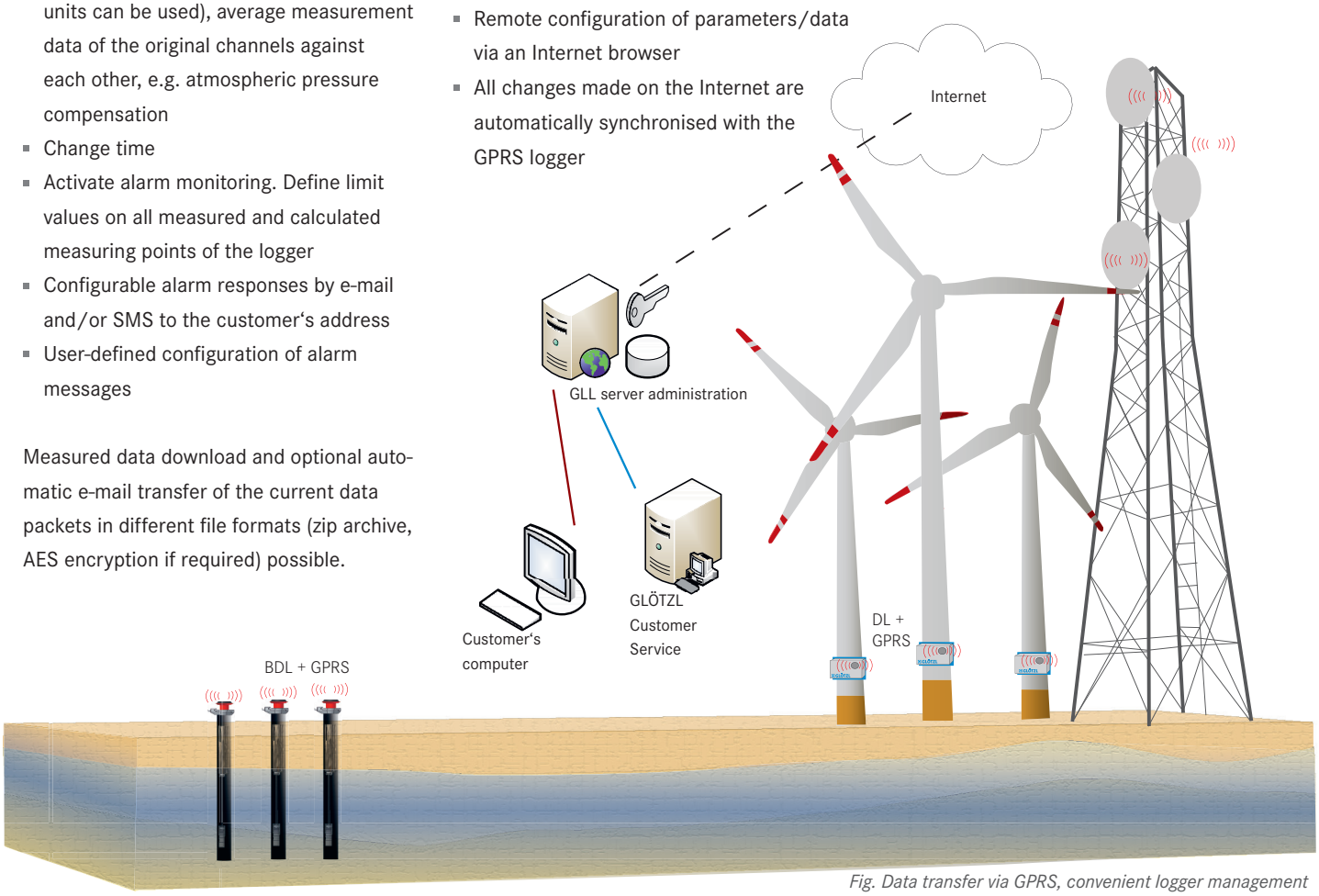

Fig. Data transfer via GPRS, convenient logger management on the Internet, right DL left BDL

TYPE KEYS/VARIANTS DL + BDL

All loggers are available in different configuration levels. You can obtain more design variants and information about the respective types via the type sheets or on request.

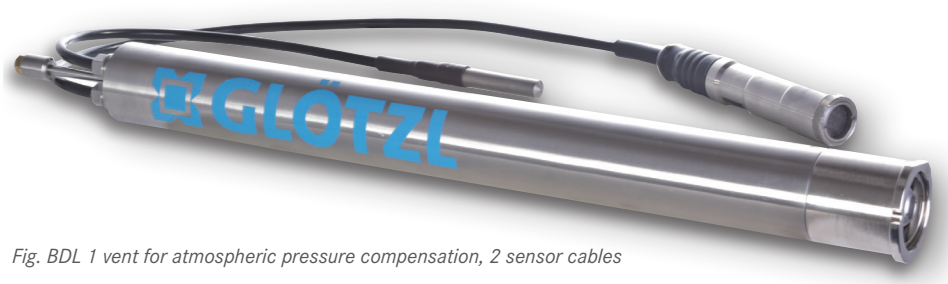

Fig. BDL 1 vent for atmospheric pressure compensation, 2 sensor cables

Example of a variant that can be ordered consisting of the following type key

BDL 2 i k VW — Design: 2-channel, with Internet, atmospheric pressure sensor, VW Vibrating Wires

Channel version	
2	2-channel
4	4-channel (DL, BDL available on request)
8	8-channel (only DL)

Enhancements	
k	Atmospheric pressure sensor
i	Internet version with GPRS
b	Bluetooth version (only DL)

Optional sensor supply (one can be chosen)	
A	4-20 mA sensors (on request)
VW	Vibrating Wires
T	AD 59
Us	Ultra Sonic (on request)

GLÖTZL Gesellschaft
für Baumesstechnik mbH
Forlenweg 11
76287 Rheinstetten
Germany

Phone +49 721 5166 - 0
Fax +49 721 5166 - 30
info@gloetzl.com
www.gloetzl.com