

Data recording systems



UGT data logger Standard

211100	DL-101, 8 channels	211400	DL-104, 32 channels
211200	DL-102, 16 channels	211500	DL-106, 48 channels
211300	DL-103, 24 channels	211600	DL-108, 64 channels



Applications:

The UGT data logger is suitable for use in soil hydrological measuring units, meteorological stations and many other situations that require reliable automatic data recording. We program it also for process control with or without logger function - the modular concept provides for simplicity, efficiency and low cost.

Concept for use:

Configuration and data acceptance by serial interface (RS 232) via PC, telephone and radio modem. The tasks are optimally distributed between data logger and PC, which means that the recorded data are quickly made into tables which are easily imported into common processing systems. Online using is also possible, PC collects data.

Technical parameters:

Data memory:	512 Kbytes CMOS-RAM, battery-backed
A/D converter:	15 bit/15 μ V resolution; multiplexer for 64 input channels; differential inputs;
Digital interface:	for 16 counting channels and 64 event channels
Process control:	Controlling for various applications as TDR interface and modem supply
Power supply:	12 VDC with changing battery, battery-backed mains or solar energy
Casing	Waterproof IP 65, protective roof, holder for mast or wall

**UGT data logger
mit PCMCIA-Slot**

212100	DL-201, 8 channels	212400	DL-204, 32 channels
212200	DL-202, 16 channels	212600	DL-206, 48 channels
212300	DL-203, 24 channels	212800	DL-208, 64 channels



Applications:

The UGT data logger is suitable for use in soil hydrological measuring units, meteorological stations and many other situations.

Concept for use:

Configuration and data acceptance by serial interface (RS 232) via PC, telephone and radio modem. Alternatively, the transport of data via PCMCIA memory card can serve as data memory extension (permanent using in slot) or as data transport medium.

Reader:

For preparation and selection of data memories with universal RS 232 data memories

Technical parameters:

Data memory:	128 Kbytes CMOS-RAM, battery-backed
Memcard slot	for SRAM cards up to 64 Mbytes
A/D converter:	15 bit/15 μ V resolution; multiplexer for 64 input channels; differential inputs;
Digital interface:	for 16 counting channels and 64 event channels
Process control:	Controlling for various applications as TDR interface and modem supply
Power supply:	12 VDC with changing battery, battery-backed mains or solar energy
Casing	Waterproof IP 65, protective roof, holder for mast or wall

UGT data logger

214100 DL-401, 8 channels

214200 DL-402, 16 channels



DL-401

Applications:

The UGT data logger as a mobile field measuring device is suitable for alternately use at local separated, different measuring points as soil hydrological measuring units or ground water measuring points.

Concept for use:

Using keyboard it is possible to distinguish different measuring points by input of a password. The task are optimally distributed between data logger and PC, which means that the recorded data are quickly made into tables which are easily imported into common processing systems.

Technical parameters:

Data memory:	128 Kbytes or 512 Kbytes CMOS-Ram, battery-backed
A/D converter:	15 bit/15 μ V resolution; multiplexer for 16 input channels or up to 8 completely potential separated input channels
Digital interface:	For 16 counting channels or event channels
Process control:	Controlling for various applications as TDR interface
Power supply:	Internal battery 12 V / 6,5 Ah; potential separated power supply possible 5, 10, 12 or 15 V for sensors, battery charger
Casing	Manageable, portable casing, input connection for combination with sensors