DL6-te

Tensiometer Datalogger

▥ 6-channel logger for UMS Tensiometers types T3, T4 and T5
▥ Weather proof case IP68
▥ Internal battery for Tensiometer supply
▥ 16000 readings storage
▥ One each channel for temperature probe and raingauge

The model DL6-te is a modification of the Delta-T logger DL6, specially adapted for taking measurements with the UMS standard Tensiometers T3, T4 and T5.

For this, a precision power supply is additionally installed into the logger and six M12/IP67 plug connectors are attached for direct, weatherproof connection of the Tensiometers or the *EC-4* 4-pin extension cables.

The following probes can be connected:

- Up to 6 UMS pressure transducer Tensiometers with plug M12/IP67, plus
- 1 Thermistor temperature probe (2 k)
- 1 tipping counter rain gauge

Also, one alarm output channel is available.

No other sensors than these can be connected to the modified DL6-te . UMS Tensiometers made before 2001 and which have a grey cable without plug can also be connected, but the proper plug has to be attached to the cable first.

The DL6-te enclosure is environmentally sealed (IP68) and can be used in the field without any further protection.

To minimise the need for opening the case, data is collected via a weatherproof external RS232 socket, and the status of the logger can be checked using a vibration-activated LED.

Three cable glands are for the temperature probe, counting input and alarm output. The cables for these have to be connected internally.

Description	Type
6-channel datalogger	**DL6-te**

Delivery includes PC software DL6-SW1, alkaline batteries, user manual and RS232 cable DL6-RS232

Accessories
- Tensiometers *T3, T4* or *T5*
- Extension cables *EC-4/10* (10 m) or *EC-4/20* (20 m)
- Mounting Kit for attaching the logger to ground stake, walls, posts, etc

Technical specifications

Channels	6 Tensiometers 1 2k temperature probe 1 rain gauge/counter
Tensiometer range (limited by actual range of the Tensiometer)	-15 hPa... + 1100 hPa *
Accuracy	± 0,5 hPa
Temperature channel	-20 ... +60°C; ±0,4°C
Counter channel	max. 5 counts per sec.
Logging interval	1 s .. 24 h
Memory	16000 readings
Operating temperature	20°C ... +60°C
PC connection	RS232 (USB-RS232 converter available)
Batteries	6 Alkaline type AA
Battery life	approx. 1 year, depending on logging interval
Housing	IP68 weather-proof

* 1 hPa = 10 kPa

Product Info

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