



Data Logger UnilogCom

Data logger for the storage and data transmission of analogue and digital values

- Wide-ranging applications, high capacity, multi-channel data logger with integrated cellular modem
- Large 16 MB ring memory for 1,120,000 measurements
- Compact plastic housing for wall mounting
- Backlit LCD with three multi-function buttons to display current measured values and system state
- Transfer Options: mobile data retrieval, FTP Push, TCP push, SMS push, SMS Alarms
- Connectivity of digital and analog probes

Description

The UnilogCom can digitally record water level or any other parameter such as flow, water quality or rainfall. The implementation of a state-of-the-art serial flash memory enables a relatively high data capacity combined with high data security. The new logger systems also stands out by a lower power consumption and reduced dimensions of the electronic circuit board. The most important features are as follows:

- different registration modes: time-, dynamic- or event-controlled
- individual on/off control of attached sensors (optimizing power consumption)
- comprehensive alarm management with cellular modem incl. SMS messaging

The basis of the logger is a stand alone "Central Processor Unit (CPU)". In total two analogue and two impulse inputs can be connected via terminals to the logger. By external module the number of channels can be extended up to 32.

The CPU board controls a CPU bus in order to combine several digital sensors to one single-master unit / multi-slave. Therefore it is possible to strictly separate the management system of the data logger from that of the alarm. A special RTC-IC (real time clock) constantly secures the time and watchdog function independently from the micro controller.

The UnilogCom comes with a built-in integrated cellular modem for data transmission which also allows FTP Push transmission. Collecting your data automatically from all of your fieldstations has never been easier.

Technical data

Sensors:	DS(T)-22, SEBAPuls, LevelSense, Surflood Sensor 4, PS-Light-2 Sensor, MPS-PTEC, MPS-D3, MPS-D8, MPS-K16, RG 50 / RG 100 / TRW, Meteorological sensors		
Logger:	Controller:	32 Bit Flash controller with integrated WatchDog	
		RTC-IC Real Time Clock	
	Memory capacity:	16 MB (= 1,120,000 readings)	
	Save interval:	2 min - 99 hours	
	Channels:	max. 32	
	Measurement routines:	Single value, Average value, Event clock, Delta mode	
	Communications Interface:	RS 232 (standard), Bluetooth® (optional)	
	Operation:	Interface cable (USB/RS 232), BlueCon 2 (Bluetooth®)	
	Inputs:	RS 485 sensor interface (SHWP), SDI-12 sensor interface, 2 analog inputs (bi/unipolar) for current/voltage (e.g. 0-1 V, 4-20 mA, etc.), optionally extendable to max. 32 analog inputs by external modules, 1 encoder input (not possible in combination with contact inputs), 2 contact inputs for monitoring/logging (not possible in combination with encoder input), 1 impulse input (rain)	
	Housing:	Material:	polycarbonate
		Dimensions:	157 x 126 x 60 mm (L x W x H)
		Display:	3-line LCD
		Keyboard:	3 multifunction buttons
		Protection class:	IP 65
		Fastening:	Mounting plate, top-hat rail
	Power supply:	12 VDC	
	Operating temperature:	-40 °C ... +70 °C	
Modem 3G:	Supported networks:	GSM/GPRS/EDGE/UMTS/HSDPA/HSDPA+	
	Frequencies:	850/900/1700/1900/2100 MHz (Worldwide)	
Modem 4G:	Supported networks:	GPRS/EDGE/UMTS/HSDPA/HSDPA+/LTE	
	Frequencies:	800/900/1800/2100/2600 MHz (Worldwide)	
Modem GSM:	only SMS-alarm and SMS-push; no GSM-retrieval		

The right is reserved to change or amend the foregoing technical specification without prior notice

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