

## Series 2001: Board unit / terminal device Term2001

### Usage:

The hardware data terminal Term2001 is a robust device for the input of analog measured values, for communication via serial interfaces, for storage of data (in the option with CompactFlash Cards at present up to 4 G Byte) and for the multi-channel output of analog values.

Through the built-in keyboard and the LCD display, a direct operation of the data terminal as well as of the connected devices is possible.

The data terminal can be used as a hand-held unit and is then supplied from an internal accumulator battery. In addition, it is suitable for wall mounting with a - preferably - external supply. The battery serves as emergency power supply in this case.

Available in different versions the device connects to a multi parameter probe of series S-2001 or an analog current meter ISM-2001C for example. An internal or external GPS receiver is an option. Furthermore, an adaptation is possible to specific customer requests.

### Technical data:

Case:	Polycarbonate H200 x B120 x T75
Display:	LCD, 4 lines of 20 characters
Keyboard:	Film, 4 x 4 buttons
Environment:	
Temperature:	0 ... 35 °C
Humidity:	< 90% (non-condensing)
Current supply:	
External:	10 to 30 Vdc / <5VA "Binder" plug or screw terminal block
Internal:	10 x Mignon (AA) accumulator
Memory:	256 k Byte RAM Optionally CompactFlash Cards
Processors:	Motorola 68332/ Microchip 16C64
Clock:	16C64, buffer battery available
Analog inputs:	8 x 12 bit 2 x used internally 6 x free for options
Analog outputs:	6 x 12 bit (optional) 0 to (4) to 20 mA; <=40 V Requires approx. 1.5 V
Serial interfaces:	(Standard version; modifiable)
COM1:	"Binder" plug with RS232C, 9600 bauds, 8N1, Term2001-ASCII protocol (for PC)
COM2:	VDE plug with RS232C, 9600 bauds, 8N1, S-2001-ASCII protocol (probe)
COM3:	internal screw terminal block RS422/RS485, 9600 bauds, 8N1 (serial data output or GPS input)
Protective measures:	Type of protection: IP 65 Class of insulation III Over-voltage category III
Certification:	CE-conformity (Europe)

### Advantages:

Already in operation of measuring instruments with RS232 and/or RS485 the Term2001 advantages compared to the effort of a Notebook through splashed water protection and small energy demands (for instance during work on deck of ships or on boats). Moreover, the data terminal also delivers the probe's supply current and controls its switch on/off.



### Series 2001:

Current meters (also with compass, analog and/or serial interfaces, memory), directional sea-state probes, and multi-parameter probes with different configurations.