

## Pressure Logger DMT-119

### Specification

#### Basement

- single-board measuring computer ZILA 100
- measuring function:
- registration of relative pressure in
- customer specific ranges from 0,5 bar to 4000 bar
- Measurement accuracy:  $\pm 1,5$  % of scale is standard  
 $\pm 0,6$  % of scale is an option with certificate
- battery-backup measurement data (NV-RAM)
- thread at inquiry (M10 x 1,5; Gew. 1/4")

#### Implemented software:

- display of minimum and maximum values
- automatic identification of sensor type and pressure range
- auto-logging function in free-selectable time ranges (0,1 - 10 s)
- actualisation of display in according to preselected time-range
- capability to storage of max. 30.000 single data events
- display of memory capacity in %
- Zero point correction
- data can be coupled with real-time and -date
- datatransfer to PC with standard RS-232-interface and Receive-Software "ZILA-PC-Communicator"
- visualisation of data with standard PC-programs (WORKS, EXCEL, Lotus....)

### DMT-119



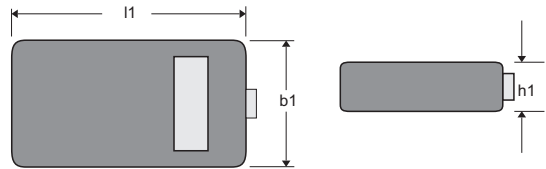
### applications

- Pressure supervision with medium-resistant pressure sensors in gases and fluids, for example:
- Medicine technology:  
monitoring and testing of data response of:
  - CPAP-instruments
  - respirators
  - inhalers
  - central supply of oxygen and pressure air
- Water and gas installation
- Hydraulic and automotive technic
- Leakage measurement on pressure systems or pipelines

# Technical Data

## Mechanics

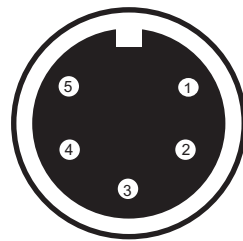
Length	l1	152 mm
Width	b1	83 mm
Height	h1	35 mm
Weigth incl. Batt.		ca. 150 g
Shockresistance		20 g
Grade of protection		IP 40



## Electronics

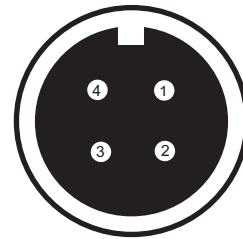
Supply	
9 V Battery Alkali/Mangan:	capacity 550 mAh
9 V Battery Lithium:	capacity 1,1 Ah
oper. time - Lithium battery:	ca. 60 hours
operating temperature:	0 °C to +65 °C
storage temperature:	-25 °C to +85 °C
measuring resolution:	12 bit
sensor supply:	5 V stab.
LCD-Digit-size:	5 mm
Low-Batt indication at	7,7 V
Keyfield:	shortkey
Sensor:	5-pin-connector
PC-connector:	4-pin-connector
Internal voltages:	3 V / 5 V
LCD-Digit:	2 lines, 16 digits
Matrix keyboard:	6 keys
seriell:	TTL-level

## Connector pin-out



### Sensor-socket

- 1 GND
- 2 Analogue input
- 3 Sensor reconnaissance
- 4 Sensor reconnaissance
- 5 Sensor -  $U_B$



### RS232-socket

- 1 GND
- 2 RXD
- 3 TXD
- 4  $V_{IN}$  (9 V)

We reserve the right to make technical modifications