

WMS Logger

DL.WMS.mini



CUSTOMER BENEFITS

- Multiparameter probe: pressure and temperature
- Precise digital data logger with user-friendly software
- Configurable and data download via USB radio interface, no cable necessary
- Operating range from -40°C to +85°C
- Atmospheric pressure, operating temperature and battery voltage are constantly monitored
- Measuring probe is connectable and therefore exchangeable at any time
- Compatible with our GPRS / 3G data transmission module

Technical specifications data logger

DATA LOGGER

Housing	Stainless steel / POM
Interface	Rafdio 433 MHz
Power supply	1 x 3.6 V Lithium / size D, (battery can be changed on-site)
Operating temperature	-40 ... 85°C
Humidity	Ingress protection IP68 (1 m/24 h) with closed protection cap and connected sensor
Data storage capacity	Up to 250`000 measured values, non-volatile, no ring memory, data remain in me- mory even without battery, each measurement value is correlela- ted with time and date
Identification	Each data logger has a unique serial number, as well as a user-definable description
Access security	One security level with password protection
Configuration	Sampling and storage rate, identification (e.g. measuring system), tapping or taring of the measured value; the current pressure can be set as actual pressure, alarm threshold limit value ad- justable
Data format	Data are stored in ASCII or CSV format and can be read with all common programs such as Excel, Lotus etc.

SYSTEM REQUIREMENTS

PC	Processor: min. 1 GHz Memory: min. 500 MB RAM: min. 512 MB
Operating system	Windows XP, Vista, 7, 8.1, 10

Technical specifications pressure / temperature probe

PRESSURE MEASURING RANGE (MH2O)

	> 10 ... 90
Overpressure	3 x FS
Burst pressure	> 200 bar
Accuracy (\pm %FS)	≤ 0.15
Thermal error (\pm % FS/ $^{\circ}$ C)	
-5 ... 50 $^{\circ}$ C compensated	0.05
Temperature error (\pm % FS/ $^{\circ}$ C)	
zero point -5 ... 80 $^{\circ}$ C	≤ 0.03
Span -5 ... 80 $^{\circ}$ C	≤ 0.015
Total Error Band (\pm %FS)	0.7
Long term stability (typ. / max. per year)	0.2% FS / 1 mbar
Resolution	15 bit

TEMPERATURE MEASURING RANGE

Accuracy	
-5 ... 80 $^{\circ}$ C, (typ. / max.)	$\leq \pm 2$ $^{\circ}$ C
Resolution (-50 ... 150 $^{\circ}$ C)	16 bit

Ordering information

	X	XX	XX	XX	X	X	X	X	X
Type									
DL.WMS.mini									
Pressure type									
Gauge (compensated with baro. sensor)					1				
Pressure measuring range									
0 ... 10 mWC					63				
0 ... 20 mWC					64				
0 ... 90 mWC					99				
Process connection									
Closed						55			
Electrical connection									
Cable, black, IP 68							01		
Logger housing									
Logger housing diameter 2 inch								1	
Communication									
Stub antenna 900/2100 MHz									0
Accuracy									
$\leq \pm 0.15$ % FS									4
Temperature range									
-5...80 °C compensated (medium temperature: - 40...85°C)									5

