



Pressure level transducer with datalogger for longterm groundwater monitoring

- Application Surface water, Groundwater
- Measurement technology Vented pressure cell
- Parameters measured Waterlevel/Pressure, Water temperature
- Product Highlights Measures and stores water level and temperature data
- Measurement range 0 ... 4, 10, 20, 40, and 100 m
- Accuracy ± 0.05% FS
- Internal data logger Yes

The OTT Orpheus Mini is an integrated pressure sensor and datalogger for level measurement in surface and groundwater applications. It features a robust ceramic measuring cell for long term accuracy and its built in datalogger manages and stores all measurements at user-programmable intervals.



Waterlevel measurement		
Measuring ranges	0 4 m, 10 m, 20 m, 40 m, 100 m	
Accuracy, pressure sensor	± 0.05 % FS	
Resolution, pressure sensor	0.01 % FS	
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Temperature measurement		
Measuring range temperature	-25 °C +70 °C (ice-free)	
Accuracy temperature	± 0.5 °C	
Resolution temperature	0.1 °C	
Electrical data		
Power supply	3 x 1.5 V LR6-cells Alkaline- or Lithium-type	
Lifetime (at 1 h reading interval)		
with Lithium batteries	min. 5 years	
with Alkaline batteries	min. 1.5 years (high quality battery types)	
Interface	Infrared (IrDA)	
Data Logger		
Memory	4 MB non-volatile	
Number of measured values	approx. 500,000	
Reading interval	1 second [] 24 hours	
Storage interval	1 second] 24 hours	
Logging type - selectable	linear, logarithmic - free progammable (logging table) for	
	pumping tests , event triggered delta data logging	
Installable in well pipes	≥ 1"	
System length	1.5 200 m \pm 1% \pm 5 cm (cable length incl. communication	
	unit/pressure probe)	
Material	ABS, POM, 904 L (DIN 1.4539)	
Waight		
Weight		
Communication unit (incl.	approx. 0.410 kg	
Battesuies)probe	approx. 0.300 kg	
Dimensions		
	400 mm x 22 mm	
Communication unit L x Ø	400 mm x 22 mm	
Pressure probe L x Ø	195 mm x 22 mm	
Operating Conditions		

We reserve the right to make technical changes and improvements without The superior of the su



	-5 °C +45 °C (ice-free)
working range	
Storage temperature	-40 °C +85 °C
Operating Temperature	-20 °C +70 °C
Humidity	100 %

Type of protection	
Communication unit	IP67 (immersion depth max. 2 m
	duration of immersion max. 24 h)
Pressure probe	IP68

EMV limits	IEC61326/EN61326 are compliant with EN 61000-4-2, EN
	61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN
	550222 class B

