



EMS Brno

Data Acquisition Environment

Hardware – Software – Cloud application

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Datalogger Minikin PTi



Main features:

- One channel datalogger for reading output of voltage dividers
- Recommended resistance of voltage divider 5 kOhms
- Measurement of internal temperature
- Watertight case
- Infrared data access
- Windows® software Mini32

Brief specification:

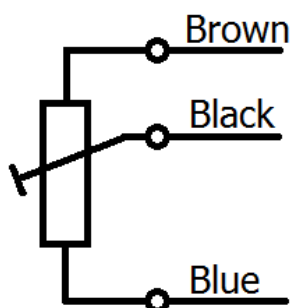
- 128 kB non-volatile memory
- Ca 50,000 records
- Input signal – voltage divider
- Battery capacity ca 5 years
- Fully watertight – IP 68 rating
- High density Polyethylene case
- Size D22 x 102 mm (without cable)



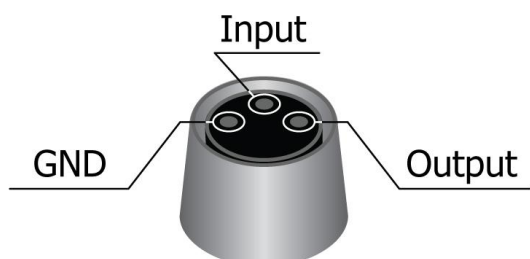
Specification:

Input	resistance divider
Resistance range	3.5 to 6 kOhm, 5 kOhm recommended
Resolution	16 bits
Internal temperature accuracy	± 0.3 °C
Operating environment temperature	-40 to 60 °C
Operating environment humidity	0 to 100%
Measuring interval	1 min to 4 hrs
Storing interval	1 min to 4 hrs
Clock accuracy (-10 to 40 °C)	better than ± 15 sec/month
Memory size	128 kB
Memory capacity	ca 50,000 measured values
Battery	SAFT LS14250CNA
Battery lifetime	
- measuring interval 1 min	1 year
- measuring interval 1 hour	ca 6 years
Protection rating	IP68
Size (diameter x length)	22 x 108 mm (incl. connector)
Weight	40 g incl. battery

Wiring:



Datalogger Minikin PTi
- female connector wiring



Standard M8 male
connector cable wiring



Brown - Output
Black - Input
Blue - GND

Software:

Mini32 universal software is running under Windows® 7, 8 and 10. The software assures all necessary operations – system setup, data downloading and processing. Its data processing part is made for work with large and long-time data series. It offers exceptionally sophisticated visualization and data manipulation, it includes basic statistic features, creates and prints graphs and exports data to different file formats.