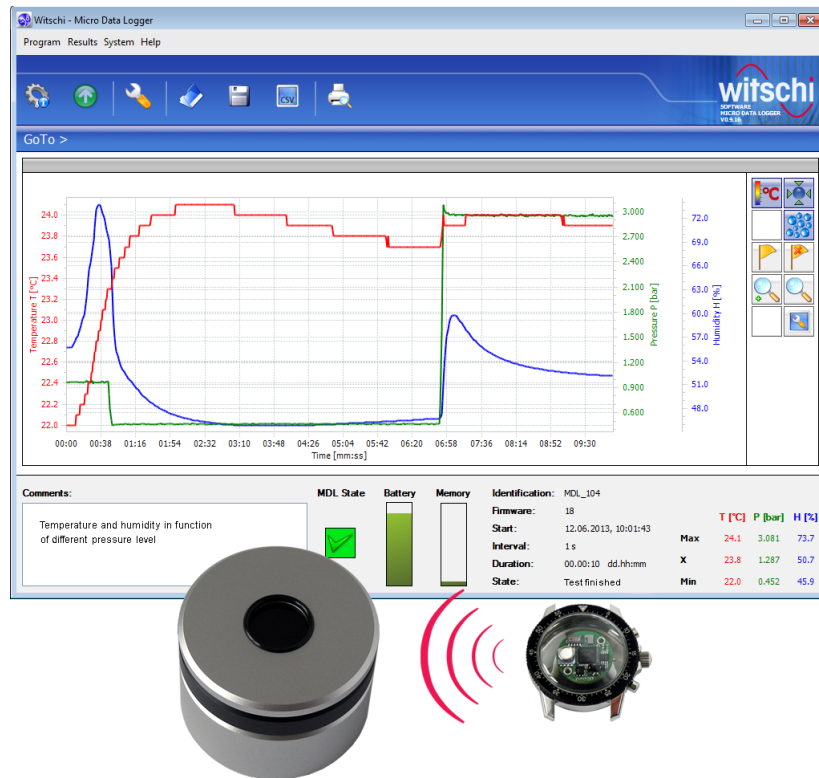


Micro Data Logger



Autonomous Data Recorder

The Micro Data Logger (**MDL**) is a small device for recording data which is capable of recording pressure, temperature and humidity values with great precision. Thanks to its reduced size, it is now possible for the first time to record environmental parameters both inside and outside a watch casing.

With the aid of a docking station, the recorded values can be read off by infrared-signal, without having to remove the MDL from the casing. Conversely, you can also parameterise the MDL and prepare it for alternative measurement cycles.

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Technical Data

Highlights

The MDL is completed by corresponding software for the parameterisation of measurement tasks and for displaying the values recorded.

There are virtually no limits to the use of the MDL in the watchmaking and other industries.

Utilisation

- Variations in pressure, temperature and humidity during leak test or during testing of condensation in a watch
- Variations in pressure, temperature and humidity during shipment of watches, for example from the manufacturer to the dealer
- Variations in pressure, temperature and humidity in real life situations (work, leisure activities, sports etc.)
- Measurement of temperature and humidity in a swimming pool/sauna and when diving
- For research and development projects

Details

Micro Data Logger

	Measuring range	Resolution
Pressure:	0 - 14bar	1mbar
Humidity:	0 - 100%RH	0.1%
Temperature:	- 10°C - +85°C	0.1°C

Recording:	Interval 1s ... 10 minutes
Storage capacity:	1MBit, respectively 16'000 measurements (DFT)
Interface:	Infrared (IR)
Dimension:	Ø 20.2mm / thickness 8.6 mm
Battery:	3V Li CR1632 * Longevity > 15 days

Docking Station

Interface PC:	USB
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PC Software

Operating system:	Windows 7, Windows 8 und Windows 10
Languages:	English, German, French,

* Depending on the ambient temperature and on the number of upload runs

