

DATALOGGER

Sensor Data Storage Device

The DATALOGGER is a special display and storage unit used for continuous information processing from Martechnic® sensors in order to keep the collected data over a longer period of time. The device can be applied either as an integral part of the MT MODULAR MONITORING SYSTEM to measure several oil parameters simultaneously, or it can be employed autonomously in connection with a particular sensor only, e.g. the HUMIDITY SENSOR. Moreover, the device provides a substantial benefit: as an option the DATALOGGER can be customized and individually programmed to fit specific sensor applications.



Technical Features:

- Environmental conditions - storage:
 - Temperature: 0 - 60°C
 - Humidity: 0 - 95%
- Environmental conditions – operation:
 - Temperature: 5 - 50°C
 - Humidity: 0 - 95%
- Internal Memory: 1000 records
- LED Display
- Voltage: 9-33 VDC
- Interface: RS-232, analogue 4-20 mA
- SD card up to 4 GB

Once the sensor/ sensors are installed and connected to the DATALOGGER, the data is transferred on an ongoing basis, recorded and displayed for immediate assessment. By means of the internal memory of the device, the measured values can be stored and then copied to the external memory SD card on demand. The integrated USB/ LAN connections as well as the corresponding software allow processing of the data to a computer for evaluation. The communication mode “USB” or “Network” can be selected respectively.

The arrow keys on the front panel of the DATALOGGER enable easy navigation through the menu options and the collected data. In addition, the alert function can be set for immediate notification of any critical changes in the oil parameters. This helps to take effective responsive actions directly at the time when they are required. Overall, the functionality of the DATALOGGER makes the remote control of the oil condition easy and convenient.