

MSR 255 Data Logger

Robust multi-talent with LCD screen



With up to five different sensors, four additional analogue inputs and an easy to read LCD screen the compact MSR 255 offers maximum possible flexibility and user-friendliness.

The measuring tasks undertaken by the user define the way in which the MSR 255 is configured: There is a choice of temperature, humidity, air pressure and light sensors (fitted internally within the case or externally on a cable) together with a sensor for measuring acceleration in all three co-ordinate axes. Acceleration values can be measured at 3200 Hz and saved at a frequency of approx. 50 Hz following digital filtration. In addition, the voltage of four further external analogue channels or sensors can also be recorded. The analogue inputs feature an alarm output, multiple output switching power supply and an input for starting and stopping data recording.

The memory capacity of the MSR 255 is over 2 million measurement parameters. Thanks to its high-capacity lithium polymer battery the data logger is ideal for long-term data acquisition applications. The 4-row backlit LCD display has four individually configurable views. All acquired data can be quickly transferred to a PC or laptop via the USB interface.

Technical data

Housing:	Anodised aluminium industrial case (standard IP60, optional IP67 protection class), top-hat rail snapper (TS 35)
Size & weight:	78 x 62 x 38 mm, approx. 222g
Memory capacity:	Over 2 000 000 measurement parameters.
Operation:	Two keys for selecting functions and controlling data recording
Display:	Four row LCD matrix display
LED:	3 colour LED to indicate data recording, alarm and charge condition
Integrated sensors:	Selection of different sensors for temperature, relative humidity, pressure, light and 3-axis acceleration/position
Measurement rate (MR):	1/s to every 12 h (acceleration up to 3200 /s)
Storage rate (SR):	1/s to every 12 h (acceleration up to 50 /s)
Power supply:	Rechargeable lithium polymer battery 2300 mAh
PC software:	Free Setup, Reader, Viewer- & Online software (Windows XP / Vista / 7 / 8)
Interface:	USB (Mini-B)
Operating conditions:	• Temperature -20...+65 °C
Storage conditions:	• Temperatur +5...+45 °C (ideal storage condition for the battery) • 10...95% relative humidity, non-condensing
Standards:	The MSR255 complies with EU-Directives RoHS/WEEE



MSR 255 with ext. sensors

