

Product Overview MSR Data Loggers

MSR Data Loggers: The Small Data Loggers With Big Capabilities

Which data logger is best suited for your measuring task?

Let a MSR sales partner advise you:

Phone +41 52 316 25 55

www.msr.ch



Detect transport damages

MSR data loggers are essential for monitoring and documenting critical physical impacts on transported goods. By recording crucial data, they offer conclusive evidence that not only expedites liability investigations but also optimizes packaging and logistics.

Data Logger MSR175



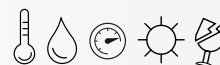
Transportation data logger for shocks, jolts, climate

2 internal 3-axis-acceleration sensors ± 15 g / ± 200 g • shock measurement rates: ± 200 g: 6400 Hz / 3200 Hz, ± 15 g: 1600 Hz • temperature, humidity, pressure, light • stores ≥ 2 Mio. readings • LiPo-battery 230 mAh or Li-SOCl₂ battery • MSR175 software package

Prices and more information: www.msr.ch/en/msr175



Data Logger MSR175plus with GPS Tracking



Revolutionary: simultaneous shock detection ± 15 g and ± 200 g

2 internal 3-axis-acceleration sensors ± 15 g and ± 200 g • shock measurement mode: ± 200 g at 6400 Hz and ± 15 g at 1600 Hz simultaneously • internal sensors for temperature, humidity, pressure, light • GPS/GNSS receiver • stores ≥ 4 Mio. readings • Li-Po battery 2400 mAh • removable battery • MSR175 software package

Prices and more information: www.msr.ch/en/msr175plus

Data Logger MSR165

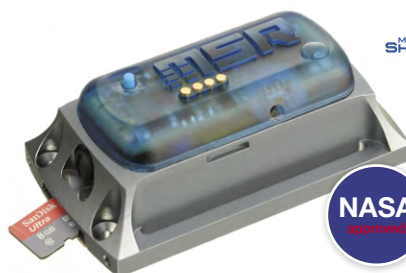


Shock and vibration data logger with up to 5 years recording capacity

housing, power supply, internal/external sensors can be individually assembled

- \geq with SDcard 1 Bn (SDcard) total readings storage • 3-axis-acceleration sensor ± 15 g or ± 200 g • acceleration measurement rate 25...1600 Hz
- temperature, humidity, pressure and light sensors, 4 analogue inputs
- MSR ShockViewer analysis software

Prices and more information: www.msr.ch/en/msr165



MSR BudgetLine MSR63, MSR64, MSR83, MSR84, MSR86



Low cost temperature and humidity loggers for transport and storage

- reusable • ideal for mass application • temperature • humidity • 16000/32000 readings, depending on data logger type • 6-point-calibration certificate included
- software included • automatic PDF report • DIN12830, 21 CFR Part 11
- produced by MSR sales partner

Prices and more information: www.datalogger.shop

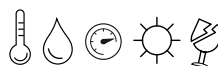


Monitor your measured values – even from a distance

If you want to monitor measured data in places that are difficult to access, and share those measured values with several users, our wireless data loggers are just what you need. Via web access to the MSR SmartCloud, you can view and manage the measured values from your MSR data loggers during operation, and also use the alarm function.

For more information, contact your local MSR distributor or call MSR Electronics GmbH: +41 52 316 25 55, info@msr.ch, www.msr.ch

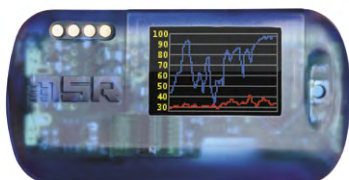
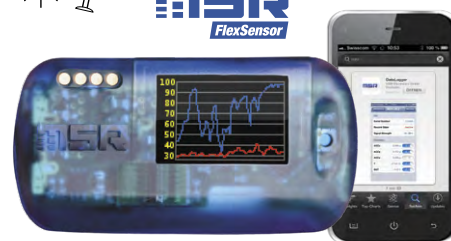
Wireless Data Logger MSR145WD (Bluetooth Low Energy)



Data logger with bluetooth function, for temperature, humidity, air pressure, fluid pressure, light, acceleration, strain gauges, FlexSensor and more

measurement data can be called up on a smartphone using the MSR DataLogger app

- various internal sensors, up to 5 external sensors or connections • 4 or 8 analogue inputs • FlexConnector plug connection for interchangeable FlexSensors • MSR SmartCloud • stores ≥ 1 Mio. readings • base station (BLE receiver box)
- MSR PC software [Prices and more information: www.msr.ch/en/msr145wd](http://www.msr.ch/en/msr145wd)



Wireless Data Logger MSR145W2D (WiFi)



Data logger with WiFi function, for monitoring temperature, humidity, air pressure, fluid pressure, acceleration, strain gauges, FlexSensor and more

integration into a WiFi or into a separate wireless network • various internal sensors, up to five external sensors or connections • 4 or 8 analogue inputs • FlexConnector plug connection for interchangeable FlexSensors • store measured data locally or in the MSR SmartCloud • compatible with LabVIEW • stores ≥ 1 Mio. readings • MSR WLAN software [Prices and more information: www.msr.ch/en/msr145w2d](http://www.msr.ch/en/msr145w2d)

Wireless Data Logger MSR147WD (Bluetooth Low Energy)



Data logger with bluetooth function, with plug-in sensors

ideal for measuring the physiological properties for textiles • 5 connections for plug-in humidity and temperature sensors • MSR DataLogger App

- MSR SmartCloud • stores ≥ 1 Mio. readings • base station (BLE receiver box) available • MSR PC software

[Prices and more information: www.msr.ch/en/msr147wd](http://www.msr.ch/en/msr147wd)

NEW! MSR147W2D with WiFi: www.msr.ch/en/msr147w2d



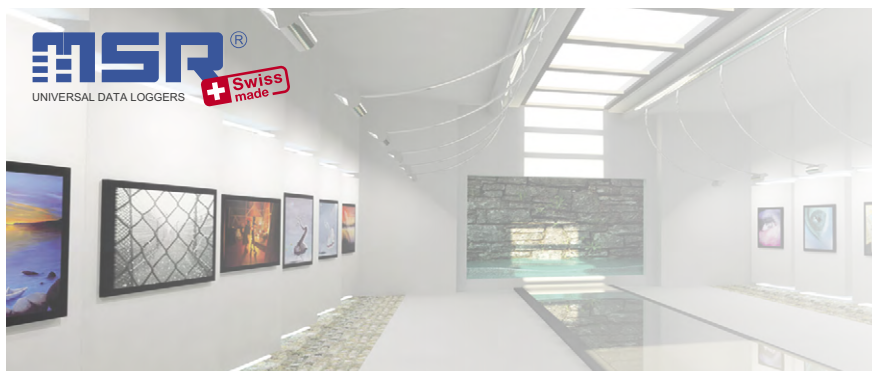
Wireless Data Logger MSR385WD



Wireless measurement system with data logger, transmitter modules for operating temperatures up to +125 °C, LTE terminal, MSR SmartCloud

data logger with ISM band receiver module • stores data from up to ten transmitter modules. • sensors for temperature, humidity, air pressure • for operating temperatures up to +125 °C • power supply to the transmitter modules for ≥ 10 years • MSR SmartCloud • optional LTE terminal • MSR PC software

[Prices and more information: www.msr.ch/en/msr385wd](http://www.msr.ch/en/msr385wd)



Our versatile solutions to your measurement technology challenges

MSR data loggers are modular in design, so you can put together your desired logger from a wide range of different options to suit your specific needs. Didn't find anything suitable? Contact us; we also develop customized solutions!

For more information, contact your local MSR distributor or call MSR Electronics GmbH: +41 52 316 25 55, info@msr.ch, www.msr.ch

Data Logger MSR145



Mini data logger for temperature, humidity, air pressure, fluid pressure, light, acceleration and more

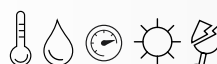
multifunctional, measures up to 5 different measured variables simultaneously

- 4 analogue inputs available • stores ≥ 2 Mio. or 1 Bn (SDcard) total readings
- large selection of housings, battery capacities, sensors and connectors
- MSR PC software

Prices and more information: www.msr.ch/en/msr145



Data Logger MSR160

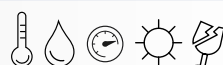


Data logger with 4 analogue inputs for connecting conventional sensors

4 analogue inputs, freely selectable input configuration • measurement/storage rate up to 1000/s per channel • multiple output switching power supply • stores ≥ 2 Mio. or 1 Bn (SDcard) total readings • sensors for temperature, humidity, pressure, attitude • MSR PC software

Prices and more information: www.msr.ch/en/msr160

Data Logger MSR255



Multifunctional data logger with LCD display

4-row backlit LCD display with 4 individually configurable views • sensors for temperature, humidity, pressure, 3-axis-acceleration • optional 4 analogue inputs with multiple output switching power supply • stores ≥ 2 Mio. total readings • lithium-polymer battery 2300 mAh • MSR PC software

Prices and more information: www.msr.ch/en/msr255



Customized OEM solutions



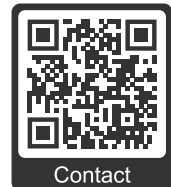
Data loggers for specialized applications, customer-specific developments

In addition to developing our own products, we also process client-specific orders and projects for national and international OEM clients and institutions. Please contact us. We will be happy to advise you: Phone +41 52 316 25 55.

More information: www.msr.ch/en/product/oem-datalogger/

Overview MSR Data Loggers

MSR data loggers have a modular design. For most types, you can customize the housing, sensors and power supply. On our website, www.msr.ch, you will find our latest product enhancements, user reviews, FAQ's, and much more.



	MSR145	MSR145WD	MSR145W2D	MSR147WD MSR147W2D	MSR160	MSR165	MSR175	MSR175plus	MSR255	MSR385WD	BudgetLine
Measured parameter											
Temperature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rel. humidity	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Air pressure	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Fluid pressure	✓	✓	✓								
Light	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Acceleration/Attitude	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Shock						✓	✓	✓			
Vibration	✓					✓					
Voltage	✓	✓	✓		✓	✓			✓		
Current	✓	✓	✓		✓	✓			✓		
Strain gauges	✓	✓	✓								
Analogue Inputs	✓	✓	✓		✓	✓			✓		
FlexSensor		✓	✓								
Measurement/storage rate											
Up to 1/min to every 12 h	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Up to 1/s to every 12 h	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Up to 50/s to every 12 h	✓				✓	✓	✓	✓	✓		
Up to 1000/s to every 12 h					✓	✓	✓	✓			
Up to 1600/s to every 12 h						✓	✓	✓			
Up to 6400/s to every 12 h							✓	✓			
Memory											
Capacity	2 Mio.	1 Mio.	1 Mio.	1 Mio.	2 Mio.	2 Mio.	2 Mio.	4 Mio.	2 Mio.	1 Mio.	16000 32000
MicroSD card 4GB	✓				✓	✓					
Special functions											
Wireless technology		✓	✓	✓						✓	
GPS/GNSS								✓			
Power supply											
LiPo-battery 230 mAh	✓	✓	✓	✓			✓				
LiPo-battery 1000 mAh	✓	✓	✓		✓	✓					
LiPo-battery 2300 mAh									✓		
LiPo-battery 2400 mAh								✓		✓	
Li-SOCl ₂ battery 7700 mAh						✓	✓				
3.0V Lithium battery											✓
Protection class											
IP	IP60/67	IP60/67	IP60/67	IP60/67	IP60/67	IP60/67	IP65/67	IP65	IP60/67	IP60/64/67	IP54

Thank you for your interest in our products. For more extensive information or individual consulting, please do not hesitate to contact your local MSR distributor. More than 90 MSR sales partners in over 50 countries around the world are at your disposal.