GIANT

Modular Signal Recorder

Swiss made

GSEI290SW Wireless Data Logger with BLE, Display & GSE SmartCloud

Wireless monitoring of measurement data and rapid reading of measured values – this ease of use is offered by the new GSEI290SW wireless data logger. The mini-logger is equipped with Bluetooth Low Energy, a bright OLED graphic display and the optional web-based service GSE SmartCloud for data monito-ring from any location.

The BLE wireless radio link is particularly advantageous for applications that require monitoring of measured data from locations that are difficult to access, such as machine rotations. BLE allows the user immediate data visualisation irrespective of the location. You can recall the measured values on your smartphone, receive alarm messages via GSE SmartCloud and, if required, share data from multiple GSEI290SW data loggers with your team any time.
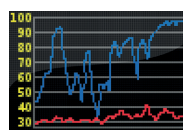

Technical data Bluetooth Low Energy

- Bluetooth Low Energy (Bluetooth 4.0 Smart) 2.4 GHz
- Radio range: approx. 10 m
- Communication with multiple GSEI290SWdata loggers possible
- Alarm function, transmission to GSE SmartCloud
- Free smartphone app (from iPhone 4S, iPad 3, also planned for Android)
- Compatible with Windows or Linux PC (Bluetooth dongle available)
- Sturdy BLE receiver box available as gateway

Technical data OLED display

- High-contrast, brilliant OLED (organic light-emitting diode) colour display to show data and graphical charts
- Resolution: 96 x 64 pixels
- Display area: 22.14 mm W x 15.42 mm H
- Fast response time: <10 µs
- Wide viewing angle >160°

Housing and battery selection

Housing	Sheat material	Battery	Size & weight
Standard IP 60	PC, not encapsulated	260 mAh	57 x 35 x 17 mm, approx. 27 g
	PC, not encapsulated	800 mAh	57 x 35 x 25 mm, approx. 43 g
Waterproof IP 67	PC, encapsulated	260 mAh	57 x 35 x 17 mm, approx. 36 g
	PC, encapsulated	800 mAh	57 x 35 x 25 mm, approx. 62 g

Selection of Sensors

Make an individual assembly of your GSEI290SW wireless data logger and select up to five internal or external sensors. The selection of sensor combinations for the GSEI290SW is constantly being expanded. The sensor combinations that are currently available are published online on the GSEI290SW product page.

Measured parameters	Working range	Accuracy	Measurement/ storage rate
Temperature	ext.: -40...+125°C	0.2°C (-10...+50°C) ±1°C (-40...+125°C)	1/s to every 12 h
	int.: -20…+65°C	0.2°C (-10...+50°C)	
Relative humidity with integrated temperature	0…100% rel. humidity ext. -40...+125°C int. -20...+65°C	±1.8% rel. humidity (10…85%, 0…+40°C) ±4% rel. humidity (85…95%, 0…+40°C)	1/s to every 12 h
Air pressure absolute, with integrated temperature	10…2000 mbar absolute, ext. -40…+85°C int. -20…+65°C	±2 mbar (750…1100 mbar absolute, +25°C)	1/s to every 12 h
3-axis-acceleration (static)	±15 g -20…+65°C	±0.15 g (+25°C)	1/s to every 12 h
Light	0…65 000 lx	max. sensitivity at 500 nm	1/s to every 12 h

General technical data on the GSEI290SW Wireless Data Logger

Memory capacity:	Over 1 000 000 measured values.
Key:	Set bookmark or start and stop recording.
LED:	blue: Record indicator red: Alarm indicator yellow: Battery charge indicator
Power supply:	• Lithium-polymer battery, 260 mAh or 800 mAh. • The battery is charged via the USB connection.
Options:	Charging station (USB hub) for 7 MSR145WD (item number B47002)
Interface:	USB
PC-software:	Free Setup, Reader, Viewer and Online software (Windows XP/Vista/7/8) to record and evaluate data. All measurement parameters can be rapidly transferred to a PC via USB connection both during the measurement operation and once the measurement task has been completed. Thanks to the integrated clock (RTC), data from as many GSEI290SW units as required can be syn-chronised and merged into a single data record.
Operating conditions:	Temperature:-20...+65°C
Optimum storage conditions:	• +5...+45°C (ideal storage conditions for the battery) • Humidity: 10...95 % relative humidity, non-condensing
Standards:	The GSEI290SW complies with EU-Directives RoHS/ WEEE.

Please contact us for prices and terms of delivery.

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Distributor:

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