



Main features

- Complete set with eight sensors and a four channel receiver with USB interface for alignment software
- Wireless transmission (2.4kHz), no more messy cables
- Ideal for dynamic applications
- Tie Bar Bending can be detected (=detection of possible tie bar fracture)
- Used on presses, injection moulding and die-casting machines
- One system for all tie bar diameters
- Very high accuracy (like bonded strain gauges)
- Measured strain value directly in $\mu\epsilon$, kN or tons
- Very compact system and simple application
- Latest software version 4.0 for Windows8
- The alignment Software Inspectmate4.0 can be installed on many computers

The magnet-press-on strain sensors QE100W measure the surface-strain directly at the mounting location, similar to bonded strain gauges.

The compact set is ready in minutes and allows the alignment of Injection Molding Machines in the shortest time possible. The QE1008W is mounted in seconds and needs no cables.

It presses strain gages under the stainless protective foil by means of 2 magnets that strongly onto the surface to be measured that friction replaces the bonding normally used to fix strain gauges. The mounting is very fast, and the strain gage is protected.

The sensor can not be overloaded.

The integrated amplifier and wireless module make this unit a state-of-the-art sensor with unsurpassed features and ease of use. One charge of the battery lasts 8 hours.

The QE1008W-Set allows quick alignment of structures (e.g. presses) with 4 tie bars without the need of torque wrenches or any other tool.

TECHNICAL DATA

Strain gauge type	Foil (GF = 2.0)
Measuring range	$\pm 800\mu\epsilon$
Accuracy	$< \pm 0.5\% \text{ FS}$
Linearity	$< \pm 0.5\% \text{ FS}$
Hysteresis	$< \pm 0.5\% \text{ FS}$
Repeatability	$< 0.2\% \text{ FS}$
Supply voltage (operation)	Sensors: 2xAAA for 8h, Receiver: none (via USB)
Supply voltage (charging)	100...230VAC
Operating temperatur range	+5...50°C
Storage temperatur range	+0...50°C

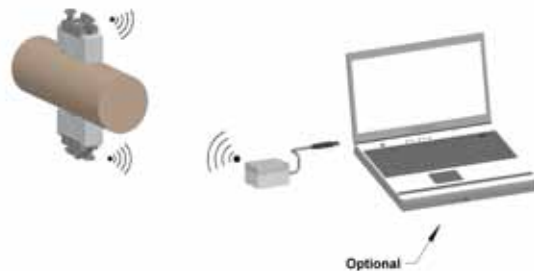
APPLICATION

SYSTEM CONTAINING:

- 4-channel USB-Receiver
- 2 QE1008W magnet sensors including batteries*
- Carrying case with inserts, manual
- Alignment software, Inspectmate 4.0

*See dedicated datasheet for technical data

Dimensions for the Wireless receiver with USB interface [mm]	60 x 50 x 35
External dimensions of carrying case [mm]	340 x 280 x 130
Weight approx.	3 kg

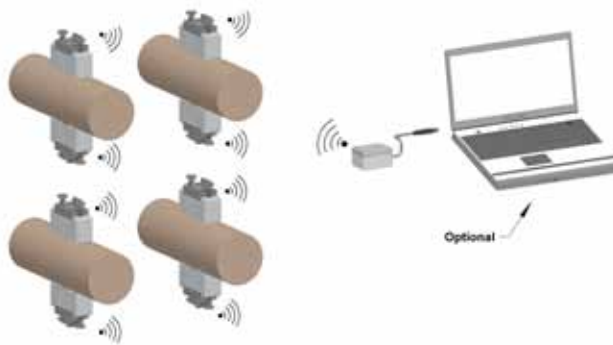


SYSTEM CONTAINING:

- 4-channel USB-Receiver
- 4...10 QE1008W magnet sensors including batteries*
- Carrying case with inserts, manual
- Alignment software, Inspectmate 4.0

*See dedicated datasheet for technical data

Dimensions for the Wireless receiver with USB interface [mm]	60 x 50 x 35
External dimensions of carrying case [mm]	400 x 320 x 100
Weight approx.	6 kg



Very flexible system with 8 magnet sensors. Measures all tie bar diameters from 45.....>1000mm and even on flat surfaces, detects even cracks on tie bar, needs no steel bands or other mounting aids → simple mounting with magnets in minutes.

ORDER CODE

Wireless system for tie bar sen

QE1008 - - **SET**

Connection	
Wireless	W

Number sensors	
2 pieces	02
4 pieces	04
8 pieces	08
9 pieces	09
10 pieces	10

Example: **QE1008-W-08-SET**

System containing 8 pieces QE1008W



GEFRAN

Sensormate AG

Steigweg 8, - CH-8355 Aadorf, Switzerland
ph: +41(0)52-2421818 - fax: +41(0)52-3661884
Internet: <http://www.sensormate.ch>

GEFRAN spa

via Sebina, 74 - 25050 PROVAGLIO D'ISEO (BS) - ITALY
ph. +39 030 9888.1 - fax. +39 030 9839063
Internet: <http://www.gefran.com>

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