



Main features

- With 4-channel digital monitor DU-4D (active)
- Dynamic applications
- 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
- USB interface for alignment software (optional)
- Analog output 0...10VDC (optional)
- Compact system and simple application

The magnet-press-on strain sensors QE1008 measure the surface-strain directly at the mounting location, similar to bonded strain gauges.

The QE1008 is mounted in seconds and presses strain

gages under the stainless protective foil that strongly onto the surface to be measured that friction replaces the bonding normally used to fix strain gages. The mounting is very fast, and the strain gage is protected.

The sensor can not be overloaded. The sensors do not need to be recalibrated once they have been replaced or remounted. The all have a standard sensitivity of 2.00 (K-factor).

The QE1008-DU4D 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 (for DU-4D)	85...260 VAC / 50-60 Hz, 0,5 A
Operating temperature range	+5°C to +50°C
Storage temperature range	+0°C to +50°C

APPLICATION

SYSTEM CONTAINING:

- 1 Digital Monitor type DU-4D*
- 8 QE1008* magnet sensors incl. 4Y-cable
- Carrying case with inserts, manual and GND-cable

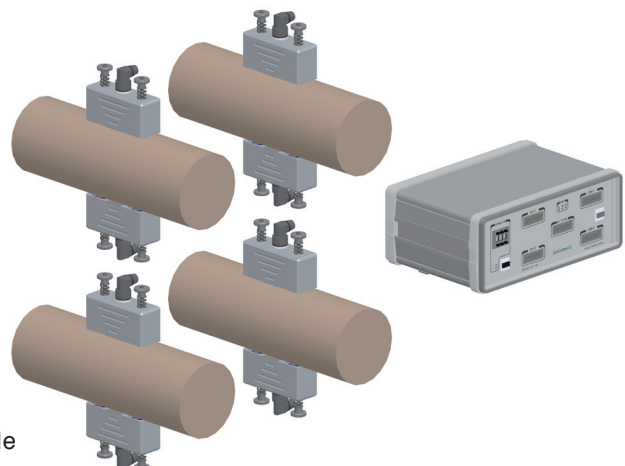
*See dedicated datasheet for technical data

External dimensions of carrying case mm: 500 x 330 x 210

Weight approx. 13 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

System for tie bar sensors

QE1008 - - -

Number sensors	
8 pieces	08
9 pieces	09
10 pieces	10

Monitor type	
DU-4D	4D

Cable length	
3 meter	03
5 meter	05
10 meter	10

Features	
Included USB interface for external software	USB
Analog output 0 to 10 V	ANO
US-Tons instead of tons	UST
No features	000

If you want more features, add the code to the ordering code.

Example: **QE1008 - 08 - 4 D - 05 - USB**

System containing digital monitor type DU-4D with USB-Out for alignment Software and 8 pieces QE1008 magnet sensors incl. 5 m Y-cable

GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice.



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