

Product Information

Daily Check-Device for checking load cells up to 500 N

CTA: 138915 134635



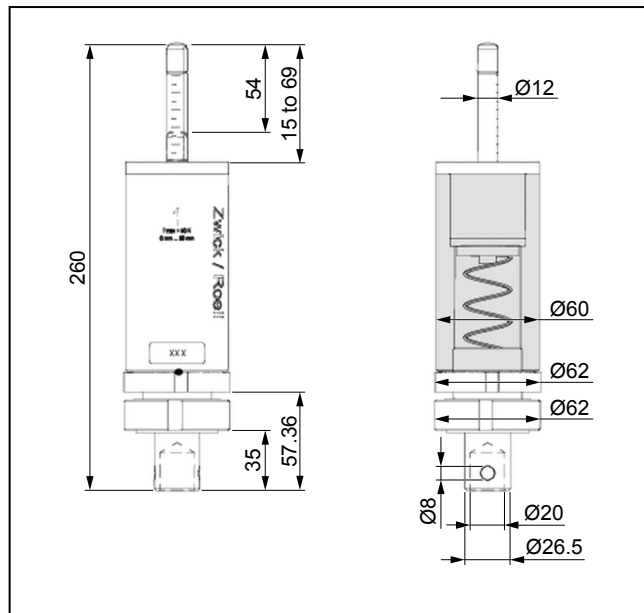
Device for checking load cells

Applications

This device is used for regular checks on load cells up to 500 N by means of comparison values which have been measured following recalibration / adjustment. The device consists of two reference standards (master/slave).

Advantages and features

- Devices plus software can be used on as many machines as required.
- Detection of a systematic errors in compression and tension in the load cell (symmetrical structure of the Xforce load cell).
- Easy installation and removal.
- Reliable test results: performing checks between periodic calibrations ensures that the load cell is free of systematic errors.
- The results of the daily check are recorded in a testXpert report.
- Traceability: all safety-critical tests place particular demands on traceability and documentation. Zwick-Roell testing software allows the administrator to specify what is logged and for which procedures and events reasons or explanations must be entered.



Device for checking load cells, dimensions

Description of operation

Routine checking is carried out with the slave device. A check is only made with the master device if deviations from the specified tolerance range are identified.

Decision criteria

The measured values of the slave device (1) are in the defined tolerance range.

• The load cell is OK!

The measured value of the slave device (1) deviates from the defined tolerance values.

- You must double check it with the master device (2).
- The measured values of the master device (2) are in the defined tolerance range.

• The load cell is OK!

- Have the slave device (1) checked; the slave device (1) must be readjusted.

The slave device (1) as well as the master device (2) display the deviating measured values for each of the defined tolerance values.

• The load cell is not OK!

- The load cell must be readjusted/recalibrated.

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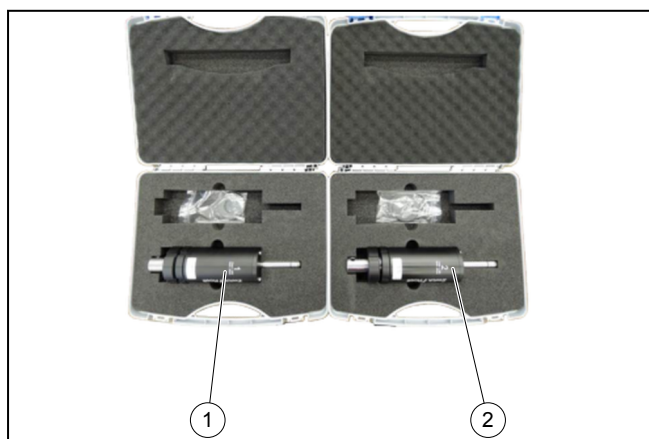
Technical data

Type Item No.	Device for checking load cells up to 500 N 3001493	
Test load (F_{max})	50	N
Comparison accuracy		
2-20 N	± 0.2	N
20-50 N	± 1	%
Test travel	2 to 50	mm
Dimensions		
Length	260	mm
top compression mandrel	$\varnothing 12$	mm
Lower connection	$\varnothing 20$	mm
Installation height	243	mm
Ambient temperature	+10 to +35	$^{\circ}\text{C}$
Weight per item, approx.	1.4	kg
Scope of delivery	2	piece(s)

Storage

The plastic cases provide safe storage for the load cell checking devices and should be used to avoid damage to the devices.

CTA: 134662



Storage cases

- 1** Slave device (1)
- 2** Master device (2)