

## Limit indicator option for models 232.50, 233.50 in nominal sizes 100 and 160

WIKA data sheet

### Applications

- For model 23x.50 robust Bourdon tube pressure gauges in nominal sizes 100 and 160
- Tamper-proof monitoring of critical process pressures with respect to a pressure limit

### Special features

- Tamper-proofness through lead sealing or using an adhesive seal which cannot be peeled off without destroying it
- Non-reversible limit indicator



Limit indicator option with enlarged detail

### Description

These limit indicators find their application wherever overpressures must be displayed with certainty and not be tampered with, such as in the process, chemical or petrochemical industries, in power plants, in the environmental sector, in machine building or in general plant construction.

The limit indicator is a mechanical indicator with two settings, mounted on the dial.

This indicator is driven from the instrument pointer, via a rotation pin, from a green field to a red field, when the set limit value (plus a trigger delay of approx. 10 %) is exceeded.

If the indicator is in the green field, the pressure limit being monitored has not previously been exceeded. If, on the other hand, the indicator is in the red field, the limit value (plus trigger delay of approx. 10 %) has been reached at least once and the indicator remains permanently in the red field.

To prevent tampering with the limit indicator, the pressure gauges can be optionally lead sealed, or be offered with an adhesive seal that cannot be peeled off without destroying it.

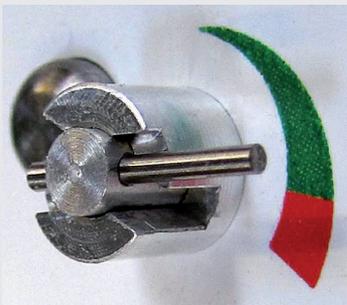
## Specifications

Basic information	
Scale range	Between 0 ... 1.6 bar and 0 ... 1,000 bar
	As well as corresponding measuring spans for other units and +/- scale ranges
Case filling	Silicone oil
Limit value	Between 50 ... 100 % of the measuring span in 10 % steps
Trigger delay	Approx. 10 % of measuring span (not valid with diaphragm seal assembly, specific test required)
	The trigger delay is a consequence of the mechanical actuation
Tamper-proofness	■ Adhesive seal which cannot be peeled off without destroying it
	■ By lead sealing

## Examples

Scale range	Limit value	Trigger delay	Triggering of the indicator at
0 ... 10 bar	8 bar	Approx. 1 bar	Approx. 9 bar
-1 ... 5 bar	3 bar	Approx. 0.6 bar	Approx. 3.6 bar
0 ... 400 psi	300 psi	Approx. 40 psi	Approx. 340 psi

### Limit indicator



### Tamper-proofness

Adhesive seal which cannot be peeled off without destroying it



By lead sealing



### Ordering information

With models 232.50 and 233.50 in nominal sizes 100 and 160, specify limit indicator as an option (see data sheet PM 02.02)

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