

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

WIKA data sheet SP 09.03

### Applications

- Option for robust process pressure measuring instruments models 23x.50 in the nominal sizes 100 and 160
- Monitoring of critical process pressures regarding the set limit values
- Tamper-proof detection for when a preset pressure value is exceeded

### Special features

- Tamper-proofness via lead sealing or 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 mounted on the dial with two settings.

The indicator is slid from the actual value pointer via a drive pin from a green area to a red area, when the set limit value is exceeded. In the red area, the indicator is locked and is unable to move back from there.

If the indicator is in the green area, the pressure limit being monitored has not been exceeded.

If the indicator is found in the red area, the set pressure range has been exceeded at least once.

In this case, the indicator will remain permanently locked and protected from tampering in the red area.

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

Example:

If the pressure rises to approx. 10 % above the set value, which is 8 bar in this example (as shown in the photo), an indicator is locked into a predefined channel by the instrument pointer. The indicator cannot be reset anymore.

## Specifications and possible combinations of the limit indicator

Measuring range: 0 ... 1.6 to 0 ... 1,000 bar

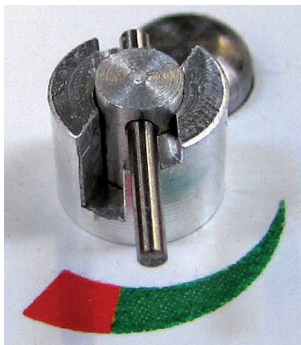
Possible limit value: 50 ... 100 % of full-scale value  
in 10 % steps

Triggering by: Limit value being exceeded by max.  
10 % (not valid with diaphragm seal  
assembly, specific test required)

With case filling: Silicone oil

Interference prevention via: - Lead sealing or  
- adhesive seals

### Latching



## Options for tamper-proofness

Adhesive seal which cannot be peeled off without  
destroying it



Lead seal



## Ordering information

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

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