

Flour Milling

ILT Rotary Level Indicators



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Description ▼

ILT-type Bin Level Indicators have been designed for electric signalling by rotary action of minimum or maximum material level inside bins, hoppers or silos.

Function ▼

As long as material is present, the paddle of the ILT Bin Level Indicator does not rotate. As soon as the material level sinks below the paddle radius, rotation restarts activating other system components. The top or side-mounted indicators are commonly used for materials having a bulk density ranging between 0.5 t/m³ (0.02 lb per cu in) and 2 t/m³ (0.08 lb per cu in).



Application ▼

Typically ILT Rotary Level Indicators are fitted on the vertical walls of a bin, silo or hopper at the desired maximum or minimum level. Equipped with an extension rod, they can also be mounted vertically into the roof plate.

Benefits ▼

- ✓ No product contamination due to the 304 SS shaft; and measuring paddle, as well as non-toxic plastic fittings;
- ✓ No product contact with the casing;
- ✓ ATEX-zone 20/21-certified;
- ✓ Adjustable via resetting force spring in 3 positions;
- ✓ Double threaded fitting ensures system compatibility;
- ✓ Use with different materials in the same configuration;
- ✓ Easy and quick installation and replacement;
- ✓ Compact overall dimensions;
- ✓ Lightweight due to aluminium alloy casing;
- ✓ Maintenance-free;
- ✓ Cost-effective.

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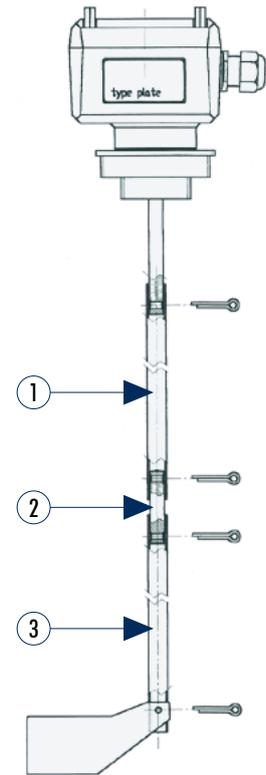
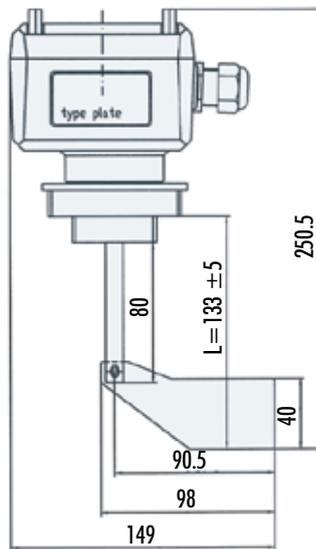
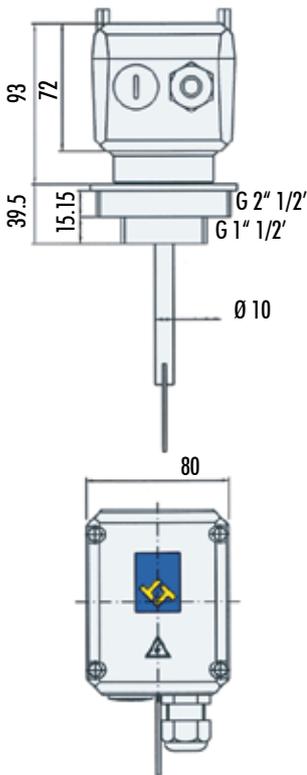
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Technical Features / Performance ▼

- ▶ Voltages available:
 - 24 V – 48 V (AC), 50-60 Hz;
 - 110 V – 230 V (AC), 50-60 Hz;
 - 24 V (DC)
- ▶ Signal output: Floating microswitch AC max. 250 V, 2 A
- ▶ Standard connection: thread G 1 1/2" – G 2 1/2"
- ▶ Enclosure: IP 66
- ▶ Working temperature inside vessel:
 - 20 °C to 80 °C (- 4° F to 178° F)
- ▶ Vessel maximum pressure: max. 0.8 bar (12 PSI)
- ▶ Threaded fitting material: plastic
- ▶ Rotating shaft and measuring paddle material: 304 SS
- ▶ Casing material: aluminium alloy
- ▶ Speed of measuring paddle: 1 rpm
- ▶ Friction clutch protection of the gearing from impacts on measuring paddle
- ▶ Self-opening double paddle for light materials
- ▶ Flanged connection as option
- ▶ Modular shaft extension up to 3 m (10 ft)
- ▶ External light

Overall Dimensions ▼



1: L = 500 / 1000

This datasheet might not show the complete range but only the models most suitable for the application.