Waste Water Treatment
ILT Rotary Level Indicators

Decription ▼
ILT-type Bin Level Indicators consist of an aluminium alloy casing which includes an electronic panel and an electric motor connected to a shaft which rotates the measuring paddle at its external end.

Function ▼
ILT-type Bin Level Indicators are a range of control instruments enabling correct and safe measuring of the filling level inside bins.

Application ▼
ILT-type Bin Level Indicators have been designed for electric signalling of minimum or maximum material level inside bins, hoppers or silos by rotary action. 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 from 0.5t/m³ (0.02 lbs per cu in) to 2t/m³ (0.08 lbs per cu in).

Benefits ▼
- No corrosion or oxidation of contact parts due to 304 SS shaft and measuring paddle;
- No product contact with casing;
- Zone 20 / 21 ATEX certified;
- Adjustable via reset of force spring in 3 positions;
- Double threaded fitting ensures system compatibility;
- Can be used for different products in the same configuration;
- Easy and quick installation and replacement;
- Compact overall dimensions;
- Lightweight casing in aluminium alloy;
- Maintenance-free.
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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 1½” – G 2 ½”
- Enclosure: IP66
- Working temperature inside vessel: - 20 °C + 80 °C
- Vessel maximum pressure: max. 0.8 bar
- Material of threaded fittings: plastic
- Material of rotating shaft and measuring paddle: 304 Stainless Steel
- Casing material: aluminium alloy
- Speed of measuring paddle: 1 rpm
- Friction clutch protection of impact gearing of measuring paddle
- Self-opening double paddle for light materials
- Flanged connection (option)
- Modular shaft extensions up to 3 metres
- External light

Overall Dimensions

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