BONT®

BONT Technologies

Tuning Fork Level Switch

WORKING PRINCIPLE:

Tuning fork level switch is based on the principle that the electric circuit signal energized the crystal in the fork which makes the probe of the tuning fork vibrate at a certain rate.
When the probe is completely whelmed by the material measured, the vibration frequency of the fork will be changed, then the electric circuit of the meter can automatically detect the difference and transfer it into switch signal which will be output by the relay for on-spot alarming and remote control. When material departs from the probe, the meter restores to the normal working condition to detect the changes of material level.

FEATURES:

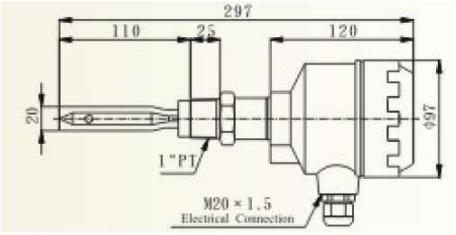
- Compact structure, applicable for top or side mounting.
- Complete electric circuit design, with no need of maintenance after operation.
- Wide applications, the physical property of the materials measured has no influence
- Special tuning fork design and its inherent vibration characteristic which ensures the function of automatic elimination and maximally prevent material hanging.

TECHNICAL SPECIFICATION:

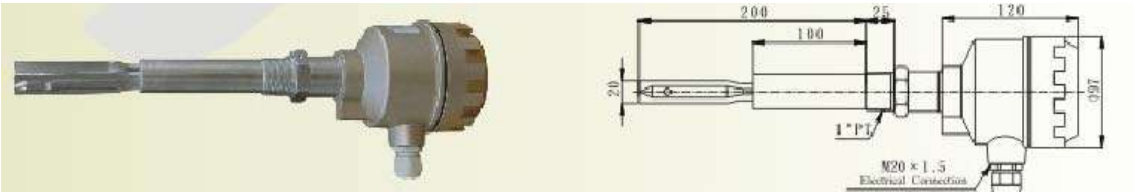
Power Supply: 240VAC/DC (Standard); Optional 220VAC,110VAC.
Output : DPDT
Contact Capacity: 5A, 220VAC
Working Temperature: -10 ~80Deg C (high temperature type Max 150 Deg C)
Density of medium : min 0.5g/cm^3
Electrical connection: M20 x 1.5

MODEL:

TF-YC01S (Standard Type)



TF-YC01SA-LM-200 (Extended Type)



TF-YC01ST (High Temperature Type)