

Vital -T - Compact Vibrating Fork Type Level Limit Switch

Vital-T is a compact level switch suitable for all kinds of free flowing solids . It is a very compact level limit switch used in silos and hoppers. where the process temperature ranges between 0°C to +150°C .



Principle

A specially shaped tuning fork is kept vibrating using piezo-electric elements. Typically, the fork vibrates at its natural frequency. The frequency of oscillation for the tuning fork changes when immersed in solid. The change in frequency is detected by the microprocessor leading to a switching decision.

Features

- Universal Power Supply: 18-30 V DC
- Compact in size
- Smoother fork made by special process
- Operational temperature: 0°C to 150°C (Fork)
- Status indications for temperature overshoot, fork health
- Silent operation for operator's peace of mind
- No calibration required, easy to install
- Service friendly plug in connection
- Operational safety, reliability
- Easy circuit testing by test magnet

Applications

Vital-T is suitable for all Fast packaging machines for powders the following applications are:

- Detergent
- FMCG powder product like Bournvita
- Red Chilli powder
- Turmeric powder

Parts

The parts of Vital are explained in the following figure (Figure 1).

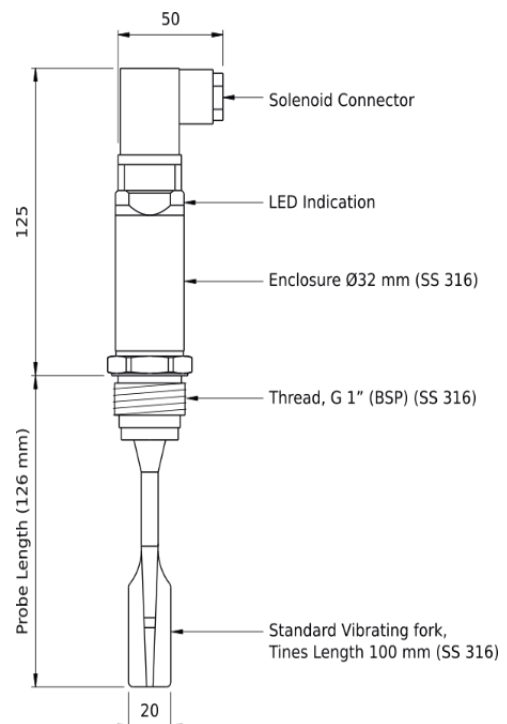


Figure 1: Parts of Vital