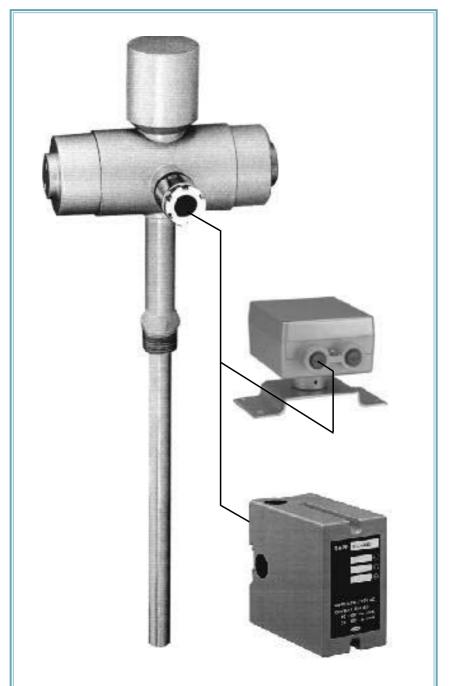






Vibration Type Level Switch





* Can detect level of various solids and powders

- * Can be fully operated for powders of low and high densities.
- * Can detect the intrface of sediments in the liquid.
- * Has a longer lifetime since it has no mechanical movements.
- * Does not need adjustments after installation.

Specifications

Features

Body	Steel (SS41)
Protection	IP65
Range of Environment Temp.	-20 °C ~ + 60 °C
Mounting Material	Stainless Steel (SUS 304)
Mounting Specification	3/4 "PT (KSB0222)
Operating Temp.(Inside Vessel)	-20 °C ~ + 250 °C
Max. Pressure	10 kgf/cm ²
Combination Unit	HLC-901
Power Supply	AC 110 V / 220 V 60 Hz \pm 10 %
Power Consumption	Approx. 5 VA
Sensitivity	Over 0.2(Specific Gravity)
Relay Output	Max. AC 250 V, 5 A
	Max. DC 28 V, 5 A
	(Relay 1 SPDT)
Indication of Switch	When relay is on.
	When detection LED is off.
	When detection LED becomes RED.
Painting	Metallic silver
Distance Between Sensor and unit	Max. 300 m
Cable	twisted paired cable

Operating Principle HITROL'S HTM is an innovative, multipurpose switch and has the simplest structure.

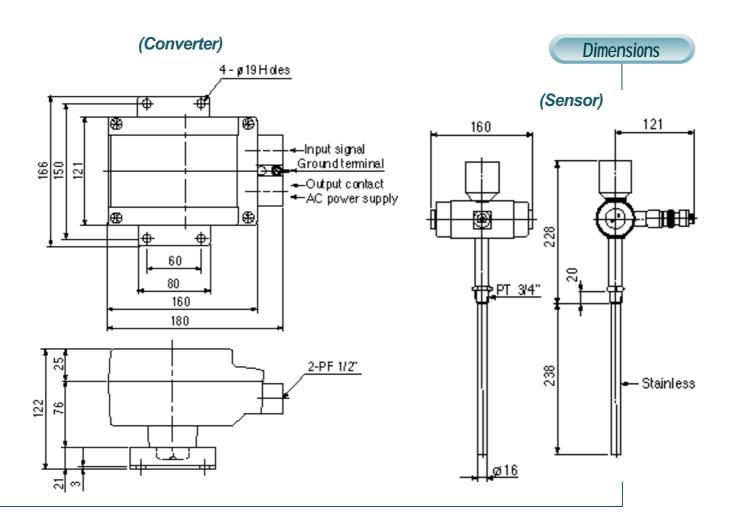
HTM sensor head is composed of one module which has an oscillating coil generating frequency and a sensing coil detecting oscillation.

When the material inside the vessel does not exist around the sensing rod, the sensing rod continuously vibrates due

to the oscillating coil.

When the material inside the vessel exists around the sensing rod, the vibration frequency is significantly reduced, and the output from the sensing coil is decreased to a very low value.

It is operated using the above mentioned operation principle, and when a signal is supplied to alarm and/or process control.



- 1. Sensor should be installed using a 3/4 "PT coupling or a designated flange.
- 2. Sensor should not be installed at the inlet of material to be measured.

(However, when sensor is installed at the inlet of material to be measured, the protection plate for the sensing rod should be installed to endure the force due to falling of material to be measured. Refer Fig. 1.)

3. The direction of cable gland should be forwarded to the ground.

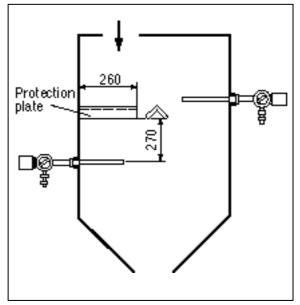
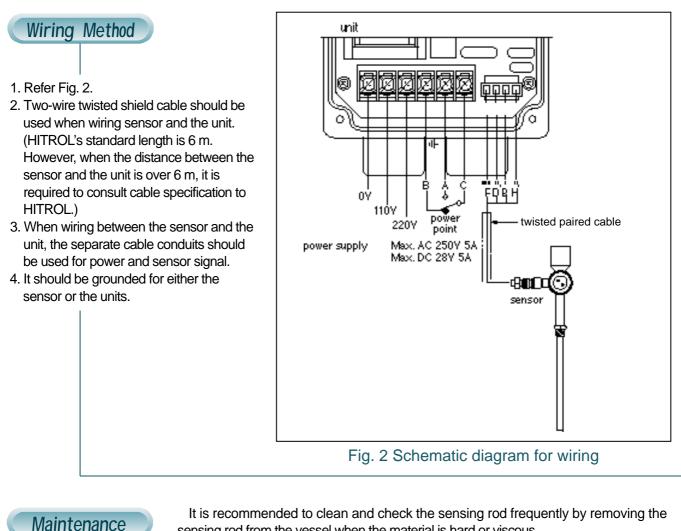


Fig. 1 Schematic diagram for installation

Installation Method



sensing rod from the vessel when the material is hard or viscous.

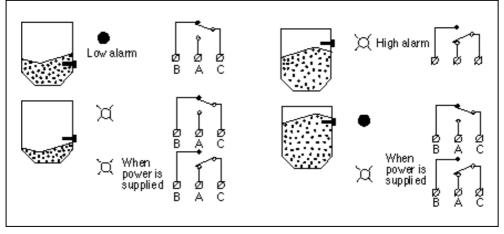


Fig. 3 LED and operation of contact point



HEAD OFFICE: FACTORY: R & D INSTITUTE 62-182 BONGILCHEON-RI CHORI-MYUN PAJU CITY KYUNGGI-DO KOREA TEL : (031) 943-0875~7 FAX : (031) 943-0878, 5600 hitrol@hitrol.co.kr http://www.hitrol.co.kr