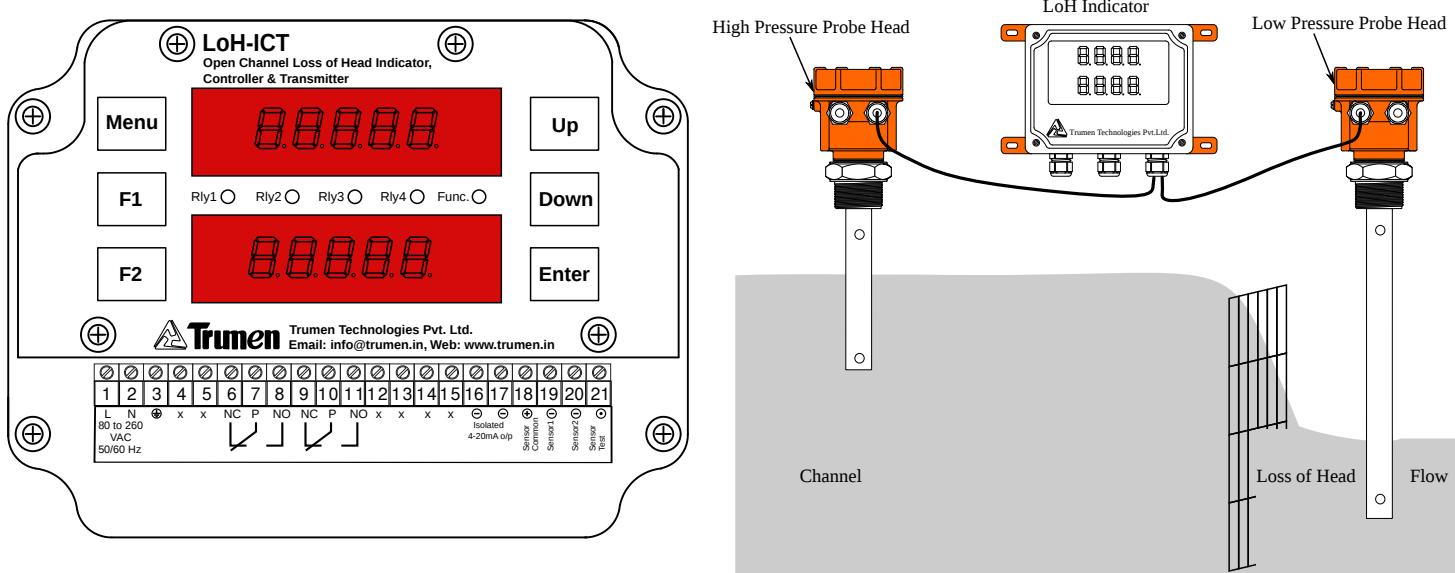


LoH...ICT

Technical Specification
Document

Capacitance Head Level Sensor Type
Loss of Head Indicator, Controller,
and Transmitter

Approvals & Certifications:



Features

- 5 Digit Digital Display
- Local as well as Remote Indication
- Provide 4-20mA Output
- Maintenance Free (No moving parts)
- In-Built Relays

Applications

- Differential Level Measurement (LoH) in :-
 - Effluent Treatment Plants
 - Water Treatment Plants
- Detecting Clogging of the travelling water screen

Description

Trumen 'Loss of Head' Indicator is widely used in water treatment plants. Two Probes (High Pressure and Low Pressure) form the active element of the system that go within the Stilling Pipe from top and come in contact with material whose differential level is to be measured. And measure the differential level of the loss of head with the help of two capacitance probe and it shows the 4-20mA Output on indicator.

LoH Indicator

The Level Proportional Signal from High Pressure Probe & Low Pressure probe is evaluated in the LoH indicator. Standard 4-20mA is available at the output of the LoH controller for remote display of difference. The difference in water level is also indicated by the built in digital display.

Order Code

LoH-ICT	Loss of Head Indicator, Controller and Transmitter
--ICT--	Indicator, Controller and Transmitter have following fixed specifications
	Power Supply : 80 to 260VAC 50/60Hz max power consumption is 5 Watts
	Enclosure : Aluminum pressure die-casted windowed IP-65 with 3 Cable entered having PG-11 glands
Rx	Number of alarm and SPDT relay outputs R1 = 1 Realy, R2 = 2 Relays, R3 = 3 Relays
--Sensor--	Sensor is always SS-304 coated with PTFE insulation, inactive length material is always SS-304
	Sensor Process connection material is always SS-304 unless otherwise specified
Hxx	Enclosure: HAN: Aluminum Non-Hazardous IP-66/68, HAX: Aluminum Flameproof IIa, IIb and IIc, HSN: Stainless steel, HES: Specially designed enclosure as per customer requirement
Tx	Material Temperature (T1: max 80°C, T2: max 200°C, TS: Customer specified - Special designed)
Rx	Sensor rigid/flexible type, RD : Rigid Rod Sensor, RP : Flexible Rope Sensor for Solids (2/4mm), RL: Flexible Rope Sensor for Liquids (2mm), RS : Specially designed sensor)
Sx	Sensing Surface Material (S6:SS-316, SL:SS-316L, ST: PTFE coated, SF: PFA coated, SS: Special surface)
Ix	Insulation type : I0: None, IP: Partly PTFE insulated, IT: Full PTFE insulated, IC: Partly ceramic insulated,
Wx	Stilling Well Material (W0: None, W4: SS-304, W6: SS-316, WL: SS-316-L, WS: special material)
Px	Process Connection Type : (PB1: BSP 1", PB2: BSP 1 1/2", PB4: BSP 1 1/4", PB5: BSP 2") (PN1: NPT 1", PN2: NPT 1 1/2", PN4: NPT 1 1/4", PN5: NPT 2") (PT1: Triclover/Triclamp 1 1/2", PT2: Triclover/Triclamp 2") (PCS: Special Process Connection) (PFL: Flanged Type – description of flange - FL -at the end of order code)
Cx	Process Connection Material (C4: SS-304, C6: SS-316, CL: SS-316L, CS: Special material)
Lxxxx	Insertion length (125mm to 3000mm)

Specifications are subject to change without prior notice

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