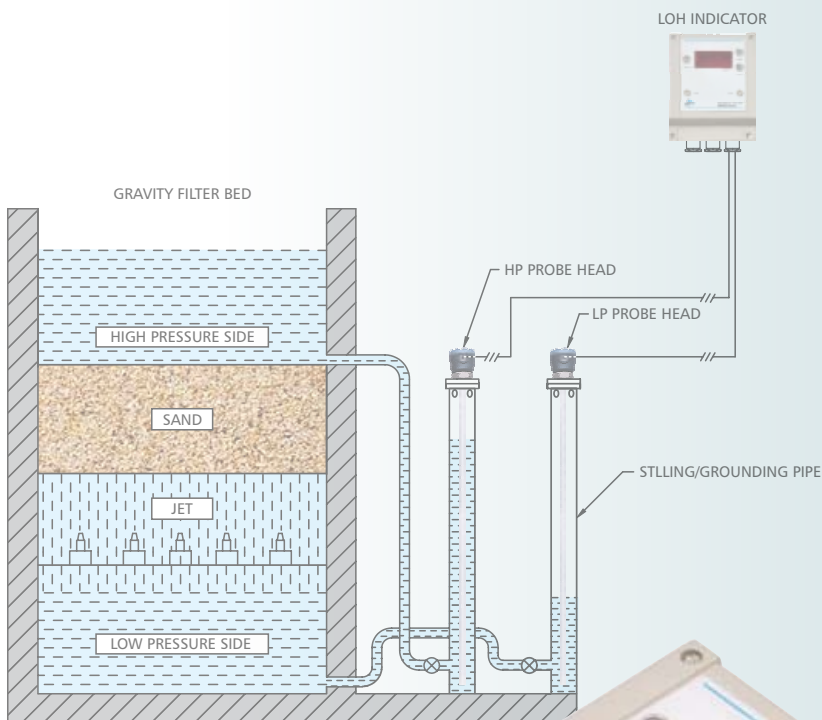


# Capacitance based Loss of Head Indicator



## LoH Indicator

### Features

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



## Typical Applications

Nivo Loss of Head Indicator provides trouble free sensing of :-

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

## DESCRIPTION

Nivo Controls 'Loss of Head' Indicator is an ideal solution for measuring differential level in filter beds and is widely used in water treatment plants.

The complete measuring system consists of:

**The Probes:** Two Probes (High Pressure and Low Pressure) form the active element of the system that go within the Stilling Pipe / Container from top and come in contact with material whose differential level is to be measured.

**LoH Indicator:** The Level Proportional Signal from High Pressure Probe & Low Pressure probe is evaluated in the LoH indicator. Standard 4-20 mA is available at the output of the LoH controller for remote display of difference. The difference in material level is also indicated by the built in digital display. Potentiometers are provided for adjusting 0% and 100% of difference & are accessible on removing the front caps.

### Technical Specifications

Housing	: Cast Aluminium, Powder Coated. 198*170* 99 mm
Mounting	: Wall Mounting
Power Supply	: 230/110 V AC, 50 Hz
Power Consumption	: 4 VA (approximately)
Adjustment Range	: Span : Min 10% of Electrode Length Max 80% of Electrode Length Zero : Max 80% of Electrode Length
Alarm	: A relay C/O rated 6 Amps 230 V, non-inductive load adjustable throughout range
Current output	: 4-20 mA DC non isolated, max. load resistance 600 Ohms, corresponding to differential level
Accuracy	: $\pm 4\%$ of Electrode Length
Option	: 1. Local as well as Control Room Display 2. Loss of Head (LoH) can be supplied with Rate of Flow (RoF) in a common CA Housing with IP-55 Protection

*We reserve the right to modify the technical data without prior notice.*

### Manufactured by

## Nivo Controls Private Limited

104-115, Electronic Complex, Indore 452 010, India.

Phone : +91 731 4081305.

Fax : +91 731 2550075

E-mail : [info@nivocontrols.com](mailto:info@nivocontrols.com)

URL : [www.nivocontrols.com](http://www.nivocontrols.com)

