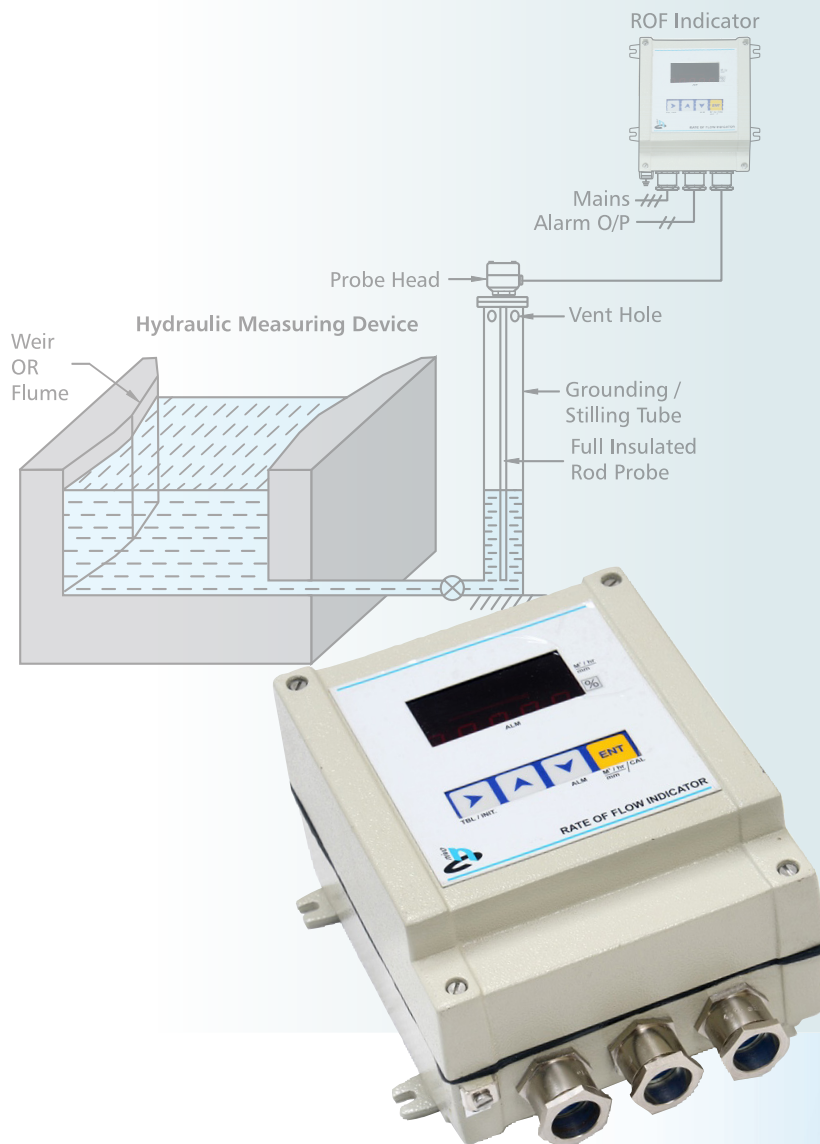


# RATE OF FLOW INDICATOR (RoF)



## Features

- For Measurement in Open Channels
- Easy Calibration & Alarm Setting
- Maintenance Free (No Moving Parts)
- Built-In Diagnostics
- Remote Monitoring

## Typical Applications

- Inlet/Outlet of Filter Beds
- Effluent Treatment Plant
- Water Treatment Plant
- Irrigation Channels

## Description

Nivo Control's Rate of Flow Indicator (RoF) is a microprocessor-based instrument that measures the flow rate of liquids in an open channel.

The complete measuring system consists of:

**The Probe** : The Probe is the active element of the system that goes in the stilling pipe / channel from top and is in contact with the fluid whose flow rate is to be indicated.

**RoF Indicator** : The indicator receives voltage signal corresponding to the level/height of fluid in the channel/pipe and converts it into digital data. The RoF is calculated using the formula:

$$Q = K * L^n$$

Here, **Q** is Rate of Flow in CuM / Hr

**L** is Level in Meters

**K & n** are constants; depending on the hydraulic measuring device.

The flow rate is displayed on the LED display. The constants, display selection & alarm can be entered through the keyboard.

## Technical Specifications

Housing	: Cast Aluminium (IP-65)
Mounting	: Wall Mounting
Data Backup	: On EEPROM (Non-volatile memory)
Programmable at site	: Password, Password change, System constant, entry (K, n), Alarm (High, Low, Hysteresis), Calibration (Level 1 & Level 2), Display mode (Level in %, Level in mm, Flowrate in CuM/Hr).
Power Supply	: 230/110 V AC, 50 Hz
Functions	: Keyboard error, EEPROM error, ADC error, Invalid password error
Alarm Output	: A relay C/O rated 6 Amps 230 V for non-inductive load, adjustable over the whole range
Alarm Hysteresis	: 0% to 25%
Accuracy	: ±2% of Probe Length
Option	: Rate of Flow (RoF) can be supplied with Loss of Head (LoH) in a common Sheet Metal Housing

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

## Manufactured by

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