



Order Code - 52253



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The Setup for Calibration of Flow gives an idea regarding Flow Sensor & Flow Transmitter Principle. It outlines the procedure for calibration of flow Sensors/ Transmitters.

Keywords:

- Equal Percentage Characteristics.
- Linear Characteristics.
- Quick Opening Characteristics

TECHNICAL SPECIFICATION

Sump tank	Material: Stainless Steel, 1.5 mm thick/P.P 5mm thick Capacity: 30 liters, Dimension: 1ft (L)x1ft (W)x1 ft (H)
Piping	1" GI, Class B, with 1" ball valves: 10 nos.
Centrifugal Pump	1"/ 1/2" H.P., 1d 230 V AC supply
Rotameter	Range: 0-2000 LPH, Glass tube type/acrylic body ,Bob Material: SS 304 Connection: 1", Mounting: Inlet Bottom Outlet Top
Orifice-	1" Line size, concentric type, MOC: Polypropylene (pp) \ SS.
Venturi-	1" Line size, MOC: MS/CRC
Manometer	U-Tube manometer, H: 400 mm, Panel mounting type.
Flow Transmitter (Optional)	Size: 1", Type: Wheel Flow meter/Magnetic Flow meter, Range: 0-2000 LPH, Output: 4-20 mA/DPT
Flow Indicator (Optional)	3 ½ digit display, 230 V AC operated, Cut out: 92 mmx 92 mm x144 mm, Range: 0-2000 LPH, Input: 4-20 mA
Electrical Control Panel MS	Powder coated panel with switches, indicator, Test, Points, (Optional)- controller on front facia, UK 2.5 Terminal Connectors mounted on DIN rail Channel. Use of 0.5 sq mm multistrand wire with Proper insulated Lugs, Ferruling & neat wire Dressing & clamping Wires & power cables are Seated through 1"x1" PVC cable tray. Dimension: 1ft (L) x1ft (W) x1ft (H).
Pitot Tube	1 No. 1" Line Size, MOC: MS/PP/Eqvt. (Optional)

Note: Specifications are subject to change.

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Range of Experiments

- Study of Flow Transmitter, Flow Sensors such as Orifice, Venturi, Rotameter, Pitot Tube (Optional) with the help of Manometer
- Calibration of Flow Sensors/Transmitters.

Features:

- Compact Ergonomic Design.
- User Friendly, Self Explanatory Systems.
- Robust Construction.
- Enhanced Electrical Safety Considerations.
- Training Manuals mimic Charts for Operation Ease.
- Inbuilt Safety Measures to avoid improper usage.
- Flow meter with pulse output & flow indication on LED display.
- Manometer for DP Measurement across Orifice Plate, Venturi meter.
- Caster wheel mounted movable frame
- System Dimensions- 4Ft. (L) × 2 Ft. (W) × 4 Ft. (H)

Services Required-

- Electric Supply of 1φ 230 VAC.

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