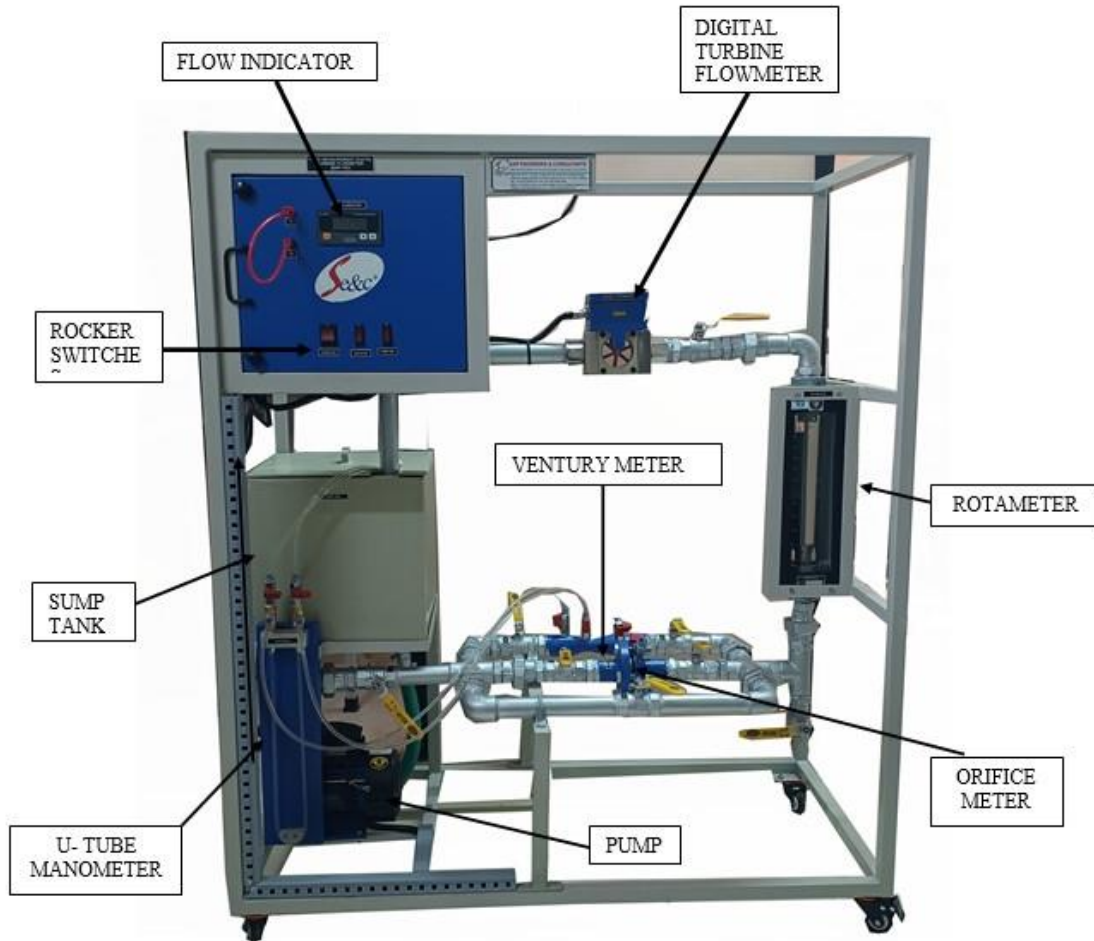


**SAP E & C FLOW MEASUREMENT SETUP USING ORIFICE, VENTURI,  
ROTAMETER & DIGITAL TURBINE TYPE FLOWMETER**  
(PRODUCT CODE: SAP – 15D)



The **Setup for Calibration of Flow Sensor (SAP – 15D)** gives an idea regarding Flow Sensor & Flow Transmitter Principle. It outlines the procedure for calibration of flow Sensors/Transmitters.

**Technical Specification: -**

No.	Item Name	Technical Specifications
1	Sump tank-	Material: Stainless Steel, 1.5 mm thick/P.P 5mm thick Capacity: 30 liter Dimension: 1ft (L)×1ft (W)×1 ft (H)
2	Piping-	1" GI, Class B/SS Piping (Optional), with 1" SS ball valves: 08 nos.
3	Centrifugal Pump-	1/ ½ H.P, 1ϕ 230 V AC supply
4	Rotameter-	Range: 0-2000/2500 LPH, Glass tube type/acrylic body, Bob Material: SS 304 Connection: 1", Mounting: Inlet Bottom Outlet Top
5	Orifice-	1" Line size, concentric type, MOC: Polypropylene (pp) \ SS.
6	Venturi-	1" Line size, MOC: MS/CRC
7	Manometer-	U-Tube manometer, H: 400 mm, Panel mounting type.
8	Flow Transmitter	Type: Digital Turbine (Wheel Flow Meter) Range: 0-2000 LPH, Output: 4 – 20mA

For More Details Visit Our Website At: [www.sapengineers.com](http://www.sapengineers.com), [www.sapengineers.co.in](http://www.sapengineers.co.in) E-mail:- [sales@sapengineers.com](mailto:sales@sapengineers.com)  
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9	Flow Indicator	3 ½ digit display, 230 V AC operated, Cut out: 92 mm× 46 mm Range: 0-2000 LPH, Input: 4-20 mA
10	Electrical Control Panel	MS Powder coated panel with switches, indicator, Test, Points, controller on front facia, UK 25.5 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"×1" PVC cable tray. Dimension: 1ft (L) ×1ft (W) ×1ft (H).
11	Pitot Tube- (Optional)	1 No. 1" Line Size, MOC: MS/PP/Eqvt.

**Range of Experiments-**

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

**Features: -**

- ❖ 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-** 43". (L) X 21". (W) X 51". (H)

**Weight: Approx. 81kg.**

**Services Required-**

- ❖ Electric Supply of 1φ 230 VAC, 6A, 50Hz.

**Note-**

All descriptive matter and illustrations are intended to give only a general idea of the equipment Detailed specifications may be altered at the company's discretion without any notice.



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