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**METAL TUBE ROTAMETER  
MODEL NO: PMTR- 1 (BEED TYPE)**

**OPERATION AND MAINTENANACE  
INSTRUCTION MANUAL**

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# **OPERATION & INSTRUCTION MANUAL OF METAL TUBE ROTAMETER**

## **MODEL NO. PMTR-1 (BEED TYPE)**

### **PRELIMINARY STEPS FOR OPERATION:**

1. Unpack carefully
2. Record serial no. and other details given in the nameplate for future reference.
3. Open the cover and remove all straps, spacers, etc, if any meant for safety of moving parts during transit.
4. Inspect for parts which may have become loose or broken in transit
5. Read instruction manual before installation.

### **II. PRINCIPLE OF OPERATION:**

Refer Figure 1&2. Fluid enters the bottom and depending on the flow rate, the float (8) moves up in the orifice. The movement of the float is proportional to the rate of flow. The float is fitted with a magnet (10) as shown in figure 1. The float moves up and down proportional to the rate of flow. The magnet attached to the float also moves up and down proportional to the rate of flow. A magnetic coupled follower No.6 (Fig 1) also moves up and down proportional to the rate of flow. A side scale No.5 (figure 1) indicates in the flow rate.

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