



## Measurement Lab [Transducer Lab] - Flow Measurement Trainer Using Orifice Meter



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This setup is a table top model, it comprises of source and measuring tank. The measuring tank is of acrylic with liters graduated. A small FHP pump is fitted to circulate the water. A orifice meter with U-tube manometer is provided to measure the flow rate. A rotameter is provided to measure the exact flow rate. Control valve is provided to control the water flow rate. Digital timer is provided to notedown the duration of flow

<b>Model</b>	: UITM-151 [U-tube Manometer Sensor] : UITM-152 [Differential Pressure Sensor]
<b>Orifice</b>	: Orifice plate embedded between two metal tubings. : UITM-151-U tube manometer with Mercury filled. : UITM-152-Differential type piezo resistive pressure sensor.
<b>Flow Rate</b>	: 60 to 600 LPM
<b>Rotameter</b>	: 60 to 1700 LPM Acrylic body. Rotameter for known flow measurement.
<b>Pump</b>	: FHP Manoblock.
<b>Water Tank</b>	: SS tank of capacity 25 liters for water storage and circulation.
<b>Display</b>	: for UITM-152 : 3½ digit to read ±1999 counts.
<b>Power Supply</b>	: 230V ± 10% @50 Hz