



Scientech 2474M Flow Transducer Test Bench is designed to learn concepts of water flow measurement. It helps students & industry professionals to understand operation of flow sensors in detail. Scientech 2474 Flow Transducer Test bench includes different types of Flow transducers including, Turbine Flow Sensor, ss sump tank and measuring tank, pump, solenoid valve, voltmeter, ammeter and 4-20mA current display.

Features

- Included of different type of flow measuring devices like rotameter and Turbine Flow Sensor
- Digital Anemometer Use to Measure Wind Speed and Temperature
- SS sump tank and measuring tank.
- On panel digital voltmeter, digital ammeter and 4-20ma display,
- Toggle switch for pump and solenoid valve with indicator.
- Experiments configurable through patch board.
- Self-contained, bench-mounting arrangement.
- Castor wheel (with locking mechanism) is provided at legs of Test bench so that it can be easily moved.
- Enhanced electrical safety consideration.

Scope of Learning

- Characteristics of Turbine Flow Sensor
- Flow measurement using Rotameter.
- Digital Anemometer Measure Wind Speed and Temperature

Technical Specifications

Rotameter	:	1 no.
Flow range	:	0-2000LPH
Line size	:	½"
Body	:	Acrylic
Digital Anemometer		
Type	:	Handheld LCD Digital Anemometer with Backlight
Application	:	Use to Measure Wind Speed and Temperature
Wind Chill Indication	:	Data Hold Function; Auto/ Manual Power Off; High Precision Pressure Sensor
Wind Temperature Range	:	-10 - 45 Centigrade (14-113F); Storage Temperature: -40~60 Centigrade
Wind Speed Range	:	0-30m/s; Wind Speed Unit: m/s, Km/h, ft/min, Knots, mph
Air Velocity	:	Range: 0 - 30m/s, 0 - 90km/h, 0 - 5860ft/min, 0 - 65mph, 0 - 55Knots
Turbine Flow Meter : 1 no.		
Flow range	:	0-2000LPH
Line size	:	½"
Output	:	4-20mA
AC digital voltmeter	:	1 no.
Range	:	0-230VAC
AC digital ammeter	:	1 no.
Range	:	0-10A AC
Toggle switches	:	1 no.
Indicator	:	1 no.
Caster wheel	:	4 nos. (with lock), 2 (without lock)
Size	:	4"
Sump tank	:	1 no.
Material	:	SS
Measuring tank	:	1 no
Material	:	SS
Pump	:	1 no.
Solenoid valve	:	1 no.
Line size	:	½"
Power supply	:	230V ± 10%, 50 / 60 Hz
Package contains	:	Mains cord : 1 no.