



Scientech 3000 Impeller Type Flowmeter Test Bench consists of an instrument panel and a flow sensor area that is useful for study of the principal and working of specialized dedicated flow measuring setup. This system comprises of the latest components, which reflect the newest technological innovations in this field. Flow measuring training system assists students and industry professionals in understanding the concepts and workings of flow measuring instruments. This further enables them to learn advance and more complex flow process; and contribute to the growth of the instrumentation area.

Scientech 3000 Impeller type flowmeter Test bench includes impeller flow transmitter, rotameter, 4-20ma current display, ss sump tank and ss measuring tank. Scientech 3000 allows the user to perform a wide range of experiments while learning intricate concepts in an interactive and simple manner.

Features

- Impeller flow meter with 3 ½ digital display and output 4-20mA. The digital flow sensor is used to measure the flow rate in terms of liter/minute or liter/hour.
- The setup consists of rotameter, Impeller flowmeter, ss sump tank, ss measuring tank, rotameter, pump, 4-20mA current display and valves.
- Heavy duty Test bench.
- Mono block pump of 0.5 HP is used with sump tank.
- SS measuring tank and sump tank.
- User friendly, self explanatory system.
- Switch for pump on/off operation.
- Enhanced electrical safety consideration.
- System frame with wheel arrangement for ease in movement.

Scope of Learning

- Study of impeller flow meter.
- Flow rate measurement using impeller flow meter.

Technical Specifications

Impeller flow transmitter	:	1 no.
Flow sensor type	:	Impeller type flow meter
Flow indication	:	3 ½ digital display
Supply	:	230V DC
Output	:	4-20 mA
Flow	:	0 to 30LPM
Rotameter	:	1 no.
Fluid	:	Water
Range	:	0 to 2000LPH
Material	:	Acrylic
Current display	:	1 no.
Supply	:	230V AC
Current range	:	4 to 20mA
Pump	:	1 no.
Supply	:	230V AC
Power	:	0.5 HP
Sump tank	:	1 no.
Capacity	:	40 liters
Measuring tank	:	
Capacity	:	40 liters
Accessories	:	2mm patch cord - 2nos. Main cord -1 no.