



Sciencetech 2309M Level Transducer Test Bench is designed to learn concepts of water level measurement. It helps students & industry professionals to understand operation of level sensors in detail. Sciencetech 2309M level Transducer Test bench includes different types of level transducers including, capacitive level transducer, float switch, ss sump tank and measuring tank, pump, solenoid valve, voltmeter, ammeter and 4-20mA current and 0-10VDC voltage display.

Features

- Different type of level sensors like: capacitive type and float type.
- SS sump tank and measuring tank.
- On panel digital voltmeter, digital ammeter, 4-20ma display, 0-10V DC 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

- Capacitive level transducer characteristics.
- Study and use of float switch.
- Study and use of solenoid valve.

Technical Specifications

Capacitive transducer	:	1 no.
Housing enclosure	:	Cast aluminum weather proof
Supply	:	+24V DC
Response time	:	0.5s to 5 sec
Output	:	4 to 20mA
Range	:	230mm
User interface	:	4 digit display with 4 keys and LED
Float switch	:	1 no.
Contact rating	:	10 W.
Switching voltage	:	220 V.
Contact resistance	:	100 mΩ.
Current display	:	1 no.
Display	:	4 digit, 7 segment digital display
Keys	:	3 for digital setting
Input type	:	Current (4-20mA)
Resolution	:	1 or 0.1 degree
Supply voltage	:	230V AC
Voltage display	:	1 no.
Display	:	4 digit, 7 segment digital display
Keys	:	3 for digital setting
Input type	:	Voltage (0-10VDC)
Resolution	:	1 or 0.1 degree
Supply voltage	:	230V AC
AC digital voltmeter	:	1 no.
Range	:	0-230VAC
AC digital ammeter	:	1 no.
Range	:	0-10A AC
Toggle switches	:	2 nos.
Indicator	:	2 nos.
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"
Mains Supply	:	230VAC
Accessories	:	4 mm patch cord - 6 nos. Mains cord - 1 no.