



Sciencetech 2309 Water Level Measurement is designed to learn concept of Water Level Measurement. It helps students & industry professionals to understand operation of level sensors in detail. Built-in On/Off Controller is also provided with audio & visual indicators. It also has a PC interface through USB for more interactive understanding of Water Level Measurement. User can also take a direct printout if desired.

Sciencetech 2309 Water Level Measurement has a wide range of experiments with user friendly software.

Features

- Capacitive Transducer
- Precise Signal conditioning
- Self-contained and easy to operate
- Data acquisition using USB
- Sensitive, Linear, Stable & Accurate
- Functional blocks indicated on board mimic
- On board Digital Voltmeter
- On board Indicators: Buzzer & LED
- On board On / Off Controller
- Graphical representation
- User friendly software
- On Board Touch Switch

Scope of Learning

Study of:

- Frequency produced by using Capacitors of various range
- Characteristics of Capacitive Transducer
- Characteristics of Water Level Sensor on PC
- Level Control using 'On/Off' Controller
- Voltage to Current Conversion
- Water Level to Current Conversion
- Level Control using 'On/Off' Controller by using PC interface

Technical Specifications

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|---------------------------------|---|
| Capacitive Transducer | : 0 to 2 liters |
| Level Measurement Range: | : 0 to 120 mm |
| F-V Specification | : 5 KHz to 50 KHz input, 0 to 5V output |
| V-I Specification | : 0 to 5 VDC input, 4 to 20 mA output |
| Buzzer Indicator | : 5 V DC |
| LED Indicator | : 5 V DC |
| Digital Voltmeter | : 0 to 10 V |
| PC Interface | : USB |
| Test Point | : 18 nos |
| Dimensions (mm) | : W 326 x D 252 x H 52 |
| Power supply | : 110V - 260V AC, 50/60Hz |
| Weight | : 1.5 Kg. (approximately) |
| Operating Conditions | : 0-40°C, 85% RH |
| Included Accessories | : Mains cord-1no, USB cable-1no, Level sensor-1no. Measuring jar (2 liters)-1no. Patch cord 16" (2mm)- 10 nos. |