



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

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 10V
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.