



Sciencetech TechBooks are compact and user friendly learning platforms to provide a modern, portable, comprehensive and practical way to learn Technology. Each TechBook is provided with detailed Multimedia learning material which covers basic theory, step by step procedure to conduct the experiment and other useful information.

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 5 V 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, TechBook Power Supply -1 no, Patch cord 16" (2mm)- 10 nos.