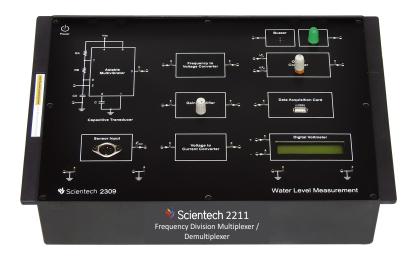
Water Level Measurement

Scientech 2309



Scientech 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.

Scientech 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 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.