



Sciencetech 2308 Pressure Transducer Explorer is designed to explain concept of Pressure measurement. It helps students & industry professionals to understand operation of Pressure Transducer 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 Transducer characteristics.

Sciencetech 2308 Pressure Transducer Explorer has a wide range of experiments with user friendly software.

Features

- Differential input Pressure 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 :

- The characteristics of Pressure Transducer
- Pressure control by an 'On/ Off' Controller
- How the Pressure Transducer output in voltage is converted into current (4 to 20 mA) for transmission purpose.
- Real Time Pressure Transducer characteristics with PC interface
- Differential Amplifier with Pressure Transducer
- Pressure control by 'On/Off' Controller by using PC interface

Technical Specifications

Pressure Transducer	: 0 to 100 psi, Differential input
Pressure Gauge	: 0 to 100 psi
Pressure Vessel	: 0 to 100 psi
Safety Valve	: 0 to 100 psi
Hoses	: 1.5 m
Foot Pump	: 0 to 150 psi
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
Test Points	: 18 nos
Product Tutorial	: Online on www.SciencetechLearning.com
Dimensions (mm)	: W 326 x D 252 x H 52
Power Supply	: 100V - 240V AC, 50/60Hz
Weight	: 1.5 Kg. (approximately)
Operating Conditions	: 0-40°C, 85% RH
Included Accessories	: PU -Tube - 1 meter Foot Pump-1no, USB cable-1no. Pressure Vessel-1no, Mains cord -1 no. Patch cord 16"(2mm) - 10 nos.