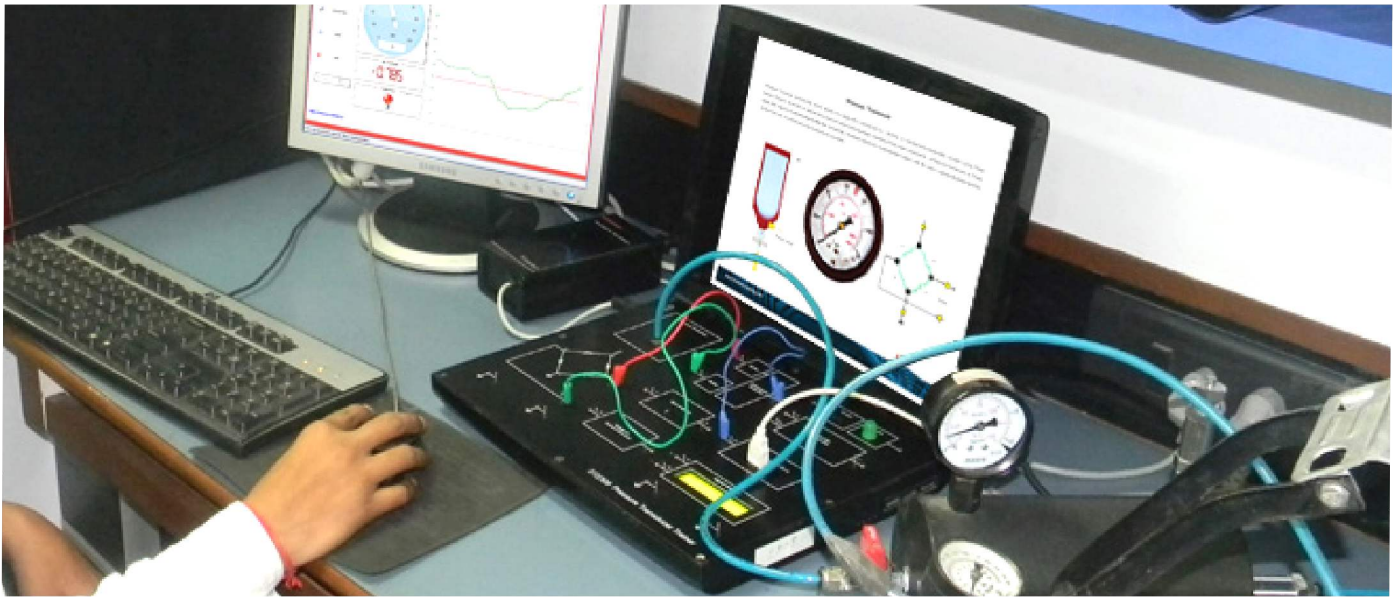


Pressure Transducer Explorer



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 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 Techbook 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**

Designed & Manufactured in India by-

Sciencetech Technologies Pvt. Ltd.

94, Electronic Complex, Pardesipura, Indore- 452 010 India,
 ☎ +91-731- 4211100, ✉ info@sciencetech.bz, 🌐 www.SciencetechWorld.com

Helpline: +919893270301

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.

TechBook Power Supply-1no.

Patch cord 16"(2mm) - 10 nos.