



**Ultrasonic Transducer Explorer 2312** is very useful instrument for Students as well as for practicing Engineers to get thorough knowledge about principles & operation of Ultrasonic Transducers used in Industries.

### Features

- Ultrasonic Transducer as a distance meter study
- Ultrasonic Transducer as a proximity switch study
- Long distances can be measured
- Buzzer indicator
- Self-contained and easy to operate
- Signal conditioning, instrumentation circuitry
- Exhaustive course material & references
- On Board Touch Switch

### Scope of Learning

#### Study of the :

- Characteristics of Ultrasound
- Ultrasonic Sensor as proximity detector
- Ultrasonic Sensor as a distance meter

### Technical Specifications

<b>Ultrasonic Transducer</b>	: 27 cm to 1.5 meter (approximately)
<b>Clock Generator</b>	: 40 KHz
<b>Amplifier</b>	: 60 db
<b>Display</b>	: Seven segment
<b>Threshold detector</b>	: 0 to 9 V DC
<b>Buzzer Indicator</b>	: 5 V DC
<b>Test Point</b>	: 15 nos
<b>Product Tutorial</b>	: Online on <a href="http://www.SciencetechLearning.com">www.SciencetechLearning.com</a>
<b>Dimensions (mm)</b>	: W 326 x D 252 x H 52
<b>Power Supply</b>	: 100V - 240V AC, 50/60Hz
<b>Weight</b>	: 1.5 Kg. (approximately)
<b>Operating Conditions</b>	: 0-40°C, 85% RH
<b>Included Accessories</b>	: Mains cord-1no. Patch cord 16”(2mm) - 8 nos.