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**Product Name :**  
32 Way Pressure Display Unit

**Product Code :**  
LBNY-0005-1370007



#### **Description :**

The unit has an integral liquid crystal display with a scroll switch that allows all 32 channels to be viewed in groups of four at any time. The conditioned outputs of the pressure sensors, and any other connected compatible electronic instruments, may be output to Versatile Data Acquisition System to allow computer based data acquisition and display. The 32-Way Pressure Display Unit is an optional ancillary to modular Subsonic Wind Tunnels. The unit mounts onto the control and instrumentation frame of the wind tunnels. Connection to each of the 32 calibrated pressure transducers is via quick-release pressure inputs mounted on the front panel of the unit. It measures and displays up to 32 pressures from models, Pitot-static tubes and other measuring instruments fitted to a wind tunnel. It is ideally suited to applications where multiple pressure measurements are required, for example in boundary layer and tapped aerofoil model investigations. This allows easy and quick connection between the unit and an experiment mounted in a wind tunnel. When the 32- Way Pressure Display Unit is used with the system it allows laboratory time to be used more efficiently because data can be captured and processed much more quickly than when using manual techniques. All pressures are measured with respect to atmosphere. Using enables accurate real-time data capture, monitoring, display, calculation and charting of all relevant parameters on a suitable computer. This option provides significant experimental advantages over conventional instruments such as manometers. The facility in the software to average data to remove the fluctuations inherent in wind tunnel measurements enhances the quality of the results by making their interpretation much easier.

#### **Technical Specification :**

Pressure sensors: 32 pressure transducers calibrated at a maximum of  $\pm 7$  kPa

Dimensions:

Packed: 0.11m<sup>3</sup>

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Net: height 450 mm x width 350 mm x depth 220 mm  
Weight:  
Nett: 10 kg  
Packed: 20 kg.



**Laboratory Instrument India**