

**Product Name :**  
Humidity Measurement Bench**Product Code :**  
ELAB-DAC-02-0001**Description :**

Humidity Measurement Bench

**Technical Specification :**

The wet and dry bulb method can be compared with a direct reading psychrometer, hair hygrometer, a synthetic material hygrometer and an electronic humidity sensor. Humidity Measurement Bench investigate the use of the standard wet and dry bulb whirling hygrometer in the normal way. Using the air duct the effect of air velocity on wet bulb temperature can be investigated.

A self contained Humidity Measurement Bench top unit comprising a number of different types of Humidity Measurement Bench meters and a small air duct with fan for variation of air velocity together with a simple air velocity meter.

**Experimental Capabilities:**

The Use Of Wet And Dry Bulb Measurement And The Concept Of Relative Humidity, Specific Humidity And Vapour Pressure.

Investigation Of The Effects Of Air Velocity On Wet Bulb Temperature.

Investigation Of Different Types Of Humidity Measurement Device.

An air duct and fan and simple air velocity meter allows the effect of air velocity to be investigated.

A Humidity Measurement Bench contained unit with two electronic humidity sensors and three analogue sensors.

These include direct reading psychrometer, hair hygrometer, synthetic material hygrometer, capacitive sensor hygrometer with temperature measurement, and whirling wet and dry bulb sensor.

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