

Product Name :
Fundamentals of Temperature Measurement Apparatus

Product Code :
NLAB-ENGINEERINGLB56008



Description :

Fundamentals of Temperature Measurement Apparatus

Technical Specification :

Experiments in the fundamentals of temperature measurement with 7 typical measuring devices

Various heat sources or storage units: laboratory heater, immersion heater, vacuum flask

Calibration units: precision resistors and digital multimeter, $\pm 200\text{mV}$

Mercury, bimetallic and gas pressure thermometers

Temperature sensors: thermocouple type K, thermistor

Various temperature measuring strips

Psychrometer for humidity measurement

Plastic casing for sensors, cables, measuring strips and immersion heater

Technical Data

Immersion Heater

power output: 300W

adjustment of power feed via power-regulated

socket

Laboratory Heater With Thermostat

Power output: 450W

Max. temperature: 450°C

Vacuum flask: 1L

Measuring Ranges

Resistance temperature detector : 0...100°C

Thermocouple type K: 0...1.000°C

Thermistor (NTC): 20...55°C

Mercury thermometer: -10...300°C

Bimetallic, gas pressure thermometer: 0...200°C

Temperature measuring strips: 29...290°C

Precision resistors: 10?, 100?, 1.000?

Psychrometer: thermometer: 0...60°C

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003