

ABSTRACT

Calibration is an activity to determine the conventional truth of the appointment of measuring instruments and measuring materials by comparing it to the standard size that is traced (traceable) to National or International standards.

The Thermohygrometer Calibrator is a device designed to measure the conditions at the Thermohygrometer, namely temperature and humidity. Thermohygrometer is a device used to measure temperature and humidity in a room. This tool uses a DHT22 sensor. The output of the two sensors is processed in the microcontroller circuit, the author here uses ATmega 328 as a data processor to be displayed on the display. Based on the temperature measurement results obtained the biggest error with a value of 1% and the smallest is 0.5%. While the error in the measurement of the largest humidity is 1,5% and the smallest is 0.1 %.

Keywords: Thermohygrometer Calibrator, Temperature, Humidity