

ABSTRACT

Calibration is a technical activity consisting of the determination, determination of one or more of the characteristics and characteristics of a product, process or service in accordance with specified procedures. The purpose of calibration is to guarantee the measurement results in accordance with national and international standards. While the purpose of this study is to determine the feasibility of a sphygmomanometer device and utilize external storage in order to view previous measurement data. Digital Pressure Meter (DPM) is a calibration tool used to determine both positive pressure and negative pressure (vacuum). This research uses the MPX 5050GP sensor as a positive pressure sensor. Requires a maximum pressure of 250 mmHg. This tool is also equipped with a SD Card as external storage. The display used in this module is the 16x4 Liquid Crystal Display (LCD). After measuring Rigel Medical UNI-SiM and Riester nova-presameter tensimeter as much as 6 times, the smallest result is 0 mmHg at 0 mmHg and the biggest is 201,10 mmHg at 200mmHg. Meanwhile, error leak test for module with Riester Nova Presameter and Rigel was obtained by 0,52% and 0,17%

Keyword: Gauge, Digital Pressure Meter, SD Card Memory