

# Test report.

HW-108A Rank F Hall Element Sensitivity

Date: 8/21/2018

Performed at GMW Associates, San Carlos, CA

Performed by: Lou Law

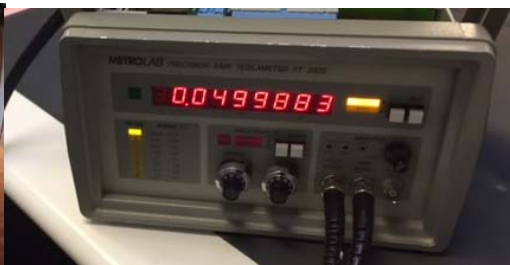
Six samples of the HW-108A-F were mounted on test PCB's as shown below and ID'd 1 thru 6



An Electromagnet was set up to produce a 50mT field. See below:



Electro Magnet



Magnetic field measurement



Hall Excitation Voltage

**Test results:** All six samples were within AKM HW-108A-Rank F specifications

Sensitivity Measurements						
	Test samples: HW-108A-F					
	Excitation=1.00V					
	Applied Field= 50mT					
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Vout +B	300mV	303mV	307mV	302mV	305mV	302mV
Vout -B	303mV	297mV	306mV	297mV	303mV	297mV
Spec	266mV-320mV at 50mT and 1.0V Excitation					