

NAME OF NMI	FIELD OF METROLOGY	INSTRUMENT	RANGE
<b>ZAMBIA METROLOGY AGENCY</b> Email: <a href="mailto:fredrick.hamutunda@zma.org.zm">fredrick.hamutunda@zma.org.zm</a> <a href="mailto:hamutundafredrick@gmail.com">hamutundafredrick@gmail.com</a> Cel: +260 977 776 062	<b>DIMENTIONAL/LENGTH</b>	Tapes/steel rules	0 - 100m
		No go Gauges	0-1500mm
		Snap Gauges	0-1500mm
		Squares	90 °
		Gears	0-1500mm
		Pipes(internal and external diameters)	0-1500mm
		Feeler Gauges	1.005- 10mm
		Bore Gauges	1.005-1500 mm
		Crimp Gauges	0-1500mm
		Penetrometers	2-10 mm
		Test Sieves	0.5-600 mm
		Standard Moulds	150*150*150(0-1500 mm)
		Step Gauges	0-1500 mm
		Bitumen Ductility elongation length	0-1500 mm
	<b>TEMPERATURE</b>	SPRT Calibration by Fixed Point	-40 to 1084 °C
		Thermisters	-35 to 80 °C
		Pyrometers	200 to 1200 °C
		Hygrometers	0 to 98.9 % rh
		Liquid Baths (water or oil)	-80 to 1600 °C
		Hot Blocks	50 to 250 °C
		Temperature Calibrators ( by simulation)	-80 to 1600 °C
	<b>PRESSURE</b>	Pressure Balances	1000bar
		Vaccum Pressure	-60bar
		Pressure Gauges (hydraulic and pneumatic)	-60 - 1500bar
		Pressure Calibrator	-60- 1000bar
		Sphygmomanometers	300mmHg
		Hydrometers(analogue and digital)	0.7 to 2.00g/ml
		Lactometers	0.7 to 2.00g/ml
		Density Meters	

<b>FORCE</b>	Force Compression Machines	0 -2MN
	Force Transducers	
<b>ELECTRICAL</b>	Magnetic Susceptibility	
	Demagnetization	
	Resistance Standards (AC and DC)	120 MΩ
	Resistance decade boxes	2 - 20 GΩ
	Current Shunts (AC and DC)	200μA - 20A
	Hand Held Electrical Multimeters (Analogue and Digital)	
	Reference Multimeters	Max. Voltage = 1100V Max. Current = 2.2A Max Resistance = 20GΩ
	Multifunction Calibrators/Process Calibrators	Max. Voltage = 1100V Max. Current = 20A Max Resistance = 20GΩ
	Clamp Meters	Upto 1100A Simulated Current
	Voltage Sources	Upto 40 KV with high voltage probe
	Current Sources	20A
	High Resistance Meters/Testers	100 MΩ

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