

**TANZANIA BUREAU OF STANDARDS-TBS
CALIBRATION MEASUREMENT CAPABILITY**

FIELD/AREA	TYPE OF EQUIPMENT/ITEMS	RANGE	CMC
PRESSURE Non Accredited	Hydraulic pressure gauges /indica Pneumatic pressure gauges /indio Pressure balance Blood pressure monitor Barometer measuring devices pressure transmitter Differential pressure transmitter Diferential pressure gauges /indica Pressure safety valve (PSV)	0 to 4bar	±0,01bar
		0 to 40bar	±0,01bar
		40 to 100bar	±0,01bar
		101 to 400bar	±0,01bar
		401 to 1000bar	±0,01bar
		1000 to 1400bar	±0,01bar
		0 to 20bar	±0,01bar
		0 to 600bar	±0,01bar
		30mmHg to 300mmHg	±1mmHg
		40hPa to 1100hPa	±1hpa
0 to 200 bar	±0,006 mA		
0 to 6 bar	±0,006 mA		
0 to 200bar	±0,005 bar		
0 to 200bar	±10%of set value		
TIME AND FREQUENCY Non aAccredited	Stopwatch, timers and Stomacher Tachometer, rotator, shaker vortex, mixer and Los angeles	1s to 2400 s	±0,05s
		2400 s-48 h	±0,6s
		0 to 5000 RPM	±0,1 RPM
		5000 to 10000 RPM	±0,5 RPM
		10000 to 50000 RPM	±4RPM
50000 to 100000 RPM	±5RPM		
FORCE AND TORQUE Non Accredited	Compression machine, CBR UCS machine, Marshal machine	5 kN-50 kN	1%
		50 kN-200 kN	0,5%
		200 kN-1500 kN	0,3%
		1 Nm-50 Nm	1%
		50 Nm-200 Nm	0,5%
		200 nM-1500 kN	0,3%