NATIONAL INSTITUTE FOR STANDARDIZATION AND QUALITY
(Instituto Nacional de Normalização e Qualidade)
MOZAMBIQUE
CALIBRATION MEASUREMENT CAPABILITY - INNOQ (Accredited)

Measuring Standard	Range	Calibration and Measuring Capability (Uncertainty)
MASS		
Mass Classes F1, F2, M1, M2, M3	10 mg	0.0080 mg
	100 mg	0.016 mg
	10 g	0.06 mg
	100 g	0.16 mg
	2 mg	0.0060 mg
	2 g	0.040 mg
	20 mg	0.010 mg
	20 g	0.080 mg
	200 mg	0.020 mg
	200 g	0.30 mg
	5 mg	0.0060 mg
	5 g	0.050 mg
	50 mg	0.012 mg
	50 g	0.10 mg
	500 mg	0.025 mg
	500 g	0.80 mg
	5 kg	8.0 mg
	10 kg	16 mg
	20 kg	0.3 g
	50 kg	
	100 kg	
	500 kg	
	1000 kg	
TEMPERATURE		
Digital and analog Thermometers	-80 ºC ≤ T < -40 ºc	0.60 ºC
	-40 ºC ≤ T < 0 ºC	0.24 ºC
	0 ºC ≤ T < 100 ºC	0.07 ºC
	100 ºC ≤ T < 200 ºC	0.13 ºC
	200 ºC ≤ T < 420 ºC	0.48 ºC
	420 ºC ≤ T < 600 ºC	0.59 ºC
Liquid-in glass Thermometers	-40 ºC ≤ T < 0 ºC	0.24 ºC
	0 ºC ≤ T < 100 ºC	0.07 ºC
	100 ºC ≤ T < 200 ºC	0.13 ºC
VOLUME		
	10 µL ≤ V ≤ 100 µL	2 µL

Micropipettes	100 µL < V ≤ 200 µL	0.25 µL
	200 µL < V ≤ 500 µL	0.5 µL
	500 µL < V ≤ 1000 µL	1.0 µL
	1000 µL < V ≤ 2000 µL	2.0 µL
	2000 µL < V ≤ 5000 µL	5.0 µL
	5000 µL < V ≤ 10000 µL	10 µL
PRESSURE		
Relative pressure gauges	0.0001 bar ≤ p ≤ 35 bar	0.24 bar
	35 bar < P ≤ 70 bar	0.24 bar
	70 bar < P ≤ 135 bar	0.25 bar
	135 bar < ≤ 700 bar	
ELECTRICAL		
Multimeters	AC	0.59% x I + 300µA to 8.9% x I + 5.9 mA
	(0.33 A ≤ I < 1.1 A) to (33 mA ≤ I < 330	
	DC	0.012% x I + 0.060 µA to 0.024% x I + 48 µA
	(0.33 mA ≤ I 3.3 mA to 330 mA ≤ I < 1.1	
	RESISTANCE	71 ppm x R + 1.8 mΩto 50 ppm x R + 3.6 mΩ)
	(0.001Ω≤ R < 11 Ω) to (330Ω≤ R < 1.1 KΩ)	
	AV	0.079% x U + 250 µV to 0.10% x U + 25 mV
	(0.33 ≤ U< 3.30) to (333 ≤ U < 330 V)	
	DV	36 x 10^-6 x U + 1.8 µV to 320x010^-6 x U + 2.7 mV
	(0.0 mV ≤ U < 330 mV) to (330 V ≤ U < 1000 V)	
MASS		
Scales	0.1 g < M ≤ 1 g	0.098 %x M + 0.015 mg
	0.1 kg < M ≤ 1 kg	0.00013%
	1 g < M ≤ 10 g	0.002 %x M + 0.030 mg
	10 mg < M ≤ 5 mg	0.0048 mg
	10 g < M ≤ 100 g	0.00095% x M + 0.045 mg
	10 kg < M ≤ 1.500 kg	0.004%
	5 mg < M ≤ 100 mg	0.062% x M + 0.0067 mg