

Accredited measurement scopes, Metrology Unit

	Measured Quantity of type of Gauge or Instrument	Range of Measured Quantity	Calibration and Measurement Capabilities expressed as an Uncertainty (\pm)
	Mass		
1	<i>Mass pieces</i>	1 g	0.03 mg
		2 g	0.04 mg
		5 g	0.05 mg
		10 g	0.07 mg
		20 g	0.08 mg
		50 g	0.10 mg
		100 g to 20 kg	0.00016%
2	<i>Weighing instruments</i>		
	Digital self-indicating	1 mg to 50 g	0.1 mg
		50 g to 2000 g	0.00025%
		2 kg to 12 kg	0.001%
		12 kg to 20 kg	0.005%
	Dimensional Calibrations		
1	<i>Linear dimensions</i>		
	Line standards: Engineer's steel rule	(1 to 1000) mm	0.10 mm
2	<i>Various dimensional hand instruments</i>		
	External micrometer	(0 to 125) mm	4.0 μ m
	Caliper	(0 to 300) mm	10 μ m
	Dial gauge	(0 to 30) mm	5.0 μ m
	Temperature		
1	Ice point reference	0.0 °C	0.05 K
2	Thermometers: Liquid-in-glass	(0 to 70) °C	0.2 K
		(70 to 100) °C	0.9 K

Note: Calibration and measurement capability (CMC) expressed as an expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by a coverage factor $k = 2$, corresponding to a confidence level of approximately 95%.