

Length, Latvia, LATMB (Latvian Metrology Bureau)

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty						
Class	Instrument or Artifact: Measurand	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage Factor	Level of Confidence	Is the expanded uncertainty a relative one?	NMI Internal Service Identifier	Comments
End standards	Gauge block: central length, variation in length L	Mechanical comparison	0.1	100	mm	Material	steel	$(0.08 + 0.8L)$, L in m	μm	2	95%	No	1	Approved on 22 March 2005
End standards	Long gauge block: central length, variation in length L	Mechanical comparison	100	1000	mm	Material	steel	$(0.4 + 1L)$, L in m	μm	2	95%	No	2	Approved on 22 March 2005
Line standards	Precision scales	Comparator	0	200	mm	Material	glass	1.6	μm	2	95%	No	3	Approved on 22 March 2005
Line standards	Measurement tape: line spacing L	Tape bench and comparison to reference tape	0	20	m			$Q[0.15, 0.01L]$, L in m	mm	2	95%	No	4	Approved on 22 March 2005
Angle	Precision angle gauges: included angle	Goniometer	0	360	$^{\circ}$			3	sec of arc	2	95%	No	5	Approved on 22 March 2005
Flatness	Optical flats	Flatness interferometer	0	200	mm	Material	glass	0.1	μm	2	95%	No	6	Approved on 22 March 2005