

Length, Estonia, AS METROSERT (Central Office of Metrology)



Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					Comments	NMI Internal Service Identifier
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?		
End standards	Gauge block: central length, L	Mechanical comparison	0.5	100	mm	Material	steel, tungsten carbide, zirconia ceramic	$Q[0.054, 0.91L]$, L length in m	μm	2	95%	No	Approved on 14 September 2018	212610, 212611
End standards	Gauge block: central length, L	Mechanical comparison	100	500	mm	Material	steel	$Q[0.28, 1.2L]$, L length in m	μm	2	95%	No	Approved on 14 September 2018	212610, 212612
Line standards	Engineer or surveyor tape, line spacing, L	Tape bench and comparison to laser interferometer	0.001	120	m	Material	steel	$(0.06 + 0.015L)$, L length in m	mm	2	95%	No	Approved on 14 September 2018	212270; 212290; 212300
Line standards	Machinist scale, line spacing, L	Tape bench and comparison to laser interferometer	0.001	2	m	Material	steel	$(0.06 + 0.015L)$, L length in m	mm	2	95%	No	Approved on 14 September 2018	212250