

INM - Instituto Nacional de Metrología

Force

**Calibration and Measurement Capability (CMC)**

<u>Calibration or Measurement Service</u>			<u>Measurand Level or Range</u>			<u>Expanded Uncertainty</u>					<u>Reference Standard used in calibration</u>	
<u>Quantity/ Class</u>	<u>Instrument or Artifact</u>	<u>Instrument Type or Method</u>	<u>Minimum value</u>	<u>Maximum value</u>	<u>Units</u>	<u>Value</u>	<u>Units</u>	<u>Coverage Factor</u>	<u>Level of Confidence</u>	<u>Is the expanded uncertainty a relative one?</u>	<u>Standard</u>	<u>Source of traceability</u>
Force: Tension and compression	Force measuring device	Deadweight	0.1	11	kN	0.00005		2	95%	SI	Deadweight	Primary Standard
Force: Tension and compression	Force measuring device	Deadweight	2	110	kN	0.00005		2	95%	SI	Deadweight	Primary Standard
Force: Tension and compression	Force measuring device	Transducer System	20	1100	kN	0.0004		2	95%	SI	Transducer System	PTB
Force: Tension and compression	Force measuring device	Transducer System	40	1100	kN	0.0002		2	95%	SI	Transducer System	PTB
Last updated November 06, 2015												