



**Complies with the requirements of LST EN ISO/IEC 17025:2018
UAB „Dekra Industrial“
Taikos pr. 7, Visaginas**

**SCOPE OF ACCREDITATION
(flexible)**

Calibration and measurement capability (CMC) expressed as:				
Measurand	Reference number of calibration method or procedure	Type of instrument to be calibrated	Measurement range and additional parameters (where applicable)	Measurement uncertainty
Hardness	LST EN ISO 6508-2 (chapter 5, indirect method) ASTM E18 (chapter A1.4, appendix X2.6)	Rockwell hardness testing machine	(10 ÷ 30) HRC	0,38 HRC
			(35 ÷ 55) HRC	0,33 HRC
			(60 ÷ 70) HRC	0,32 HRC
			(10÷50) HRB (W)	1,01 HRB (W)
			(60÷80) HRB (W)	0,88 HRB (W)
			(85÷100) HRB (W)	0,43 HRB (W)
	LST EN ISO 6506-2 (chapter 6, indirect method) ASTM E10 (chapter A1.4, appendix X2.6)	Brinell hardness testing machine	<250 HBW10/3000	1,76 HBW10/3000
			(250÷450) HBW 10/3000	3,60 HBW10/3000
			> 450 HBW 10/3000	5,85 HBW10/3000
			<100 HBW2,5/62,5	0,87 HBW2,5/62,5
			(100÷200) HBW2,5/62,5	1,90 HBW2,5/62,5
	LST EN ISO 6507-2 (chapter 6, indirect method) ASTM E92 (chapter A1.4)	Vickers hardness testing machine	≤ 250 HV	1,01 HV5
				1,00 HV10
				1,03 HV0,2
			(400÷600) HV	1,03 HV0,5
1,08 HV1				
1,00 HV30				
> 700 HV	2,02 HV5			
	2,05 HV10			
	2,06 HV0,2			
3,47 HV5	2,01 HV0,5			
	2,02HV1			
	2,04 HV30			
	3,52 HV10			
3,63 HV0,2				
3,53 HV0,5				
3,58 HV1				
3,52 HV30				
Absorbed energy	LST EN ISO 148-2	Charpy impact testing machines Energy range (0÷450) J	<40 J	0,5 J
			≥40 J	2,2 % K _V R

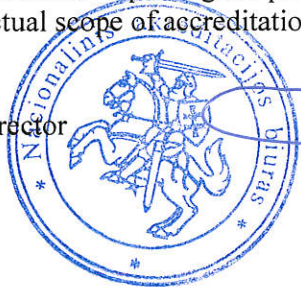
Calibration and measurement capability (CMC) expressed as:				
Measurand	Reference number of calibration method or procedure	Type of instrument to be calibrated	Measurement range and additional parameters (where applicable)	Measurement uncertainty
	ASTM E23	Charpy impact testing machines Energy range (0÷450) J	Low (13÷20) J	0,125 J
			High (88÷136) J	0,6 %
			Superhigh (176÷244) J	3,7 %
Length	LST EN ISO 9513	Extensometer	(0,01÷0,80) mm	0,11 µm (EN)/ 0,13 µm (ASTM)
	ASTM E83		0,90 mm	0,27/0,28 µm
			1,00 mm	0,28/0,29 µm
			3,25 mm	0,38/0,38 µm
			5,50 mm	0,17/0,18 µm
			7,75 mm	0,27/0,28 µm
			10,00 mm	0,36/0,36 µm
			20,00 mm	0,54/0,55 µm
			30,00 mm	0,95/0,95 µm
			40,00 mm	0,80/0,81 µm
50,00 mm	1,00/1,00 µm			
Force	LST EN ISO 7500-1	Tensile testing machine (0÷50) kN	5 kN	2,35 N
			10 kN	3,59 N
			15 kN	5,02 N
			20 kN	6,25 N
			25 kN	7,05 N
			30 kN	8,14 N
			35 kN	8,79 N
			40 kN	9,24 N
			45 kN	9,93 N
		50 kN	11,03 N	
		Tensile testing machine (0÷500) kN	50 kN	32,0 N
			100 kN	42,0 N
			150 kN	42,0 N
			200 kN	54,0 N
			250 kN	60,0 N
			300 kN	75,0 N
			350 kN	87,5 N
			400 kN	92,0 N
	450 kN		99,0 N	
	500 kN	110,0 N		
	ASTM E4 (chapter C, appendix X2)	Tensile testing machine (0÷50) kN	5 kN	1,29 N
			10 kN	1,54 N
			15 kN	1,98 N
20 kN			2,35 N	
25 kN			2,87 N	
30 kN			3,40 N	
35 kN			3,59 N	
40 kN			4,08 N	
45 kN	4,57 N			
50 kN	5,07 N			

Calibration and measurement capability (CMC) expressed as:				
Measurand	Reference number of calibration method or procedure	Type of instrument to be calibrated	Measurement range and additional parameters (where applicable)	Measurement uncertainty
		Tensile testing machine (0÷500) kN	50kN	16,5 N
			100kN	24,0 N
			150kN	33,0 N
			200kN	42,0 N
			250kN	52,5 N
			300kN	60,0 N
			350kN	70,0 N
			400kN	80,0 N
			450kN	90,0 N
			500kN	100,0 N

The following case of flexibility is defined and applicable to whole scope of an accreditation: the application of new version of documents describing calibration method or application of identical documents replacing the previous ones.

Actual scope of accreditation is available on website <https://dekra-industrial.lt>.

Director



Jarua

Jurgis Šarmavičius