

SIT ACCREDITATION TABLE

SIT CERTIFICATES

Parameter	Type of instrument	Min / Max Scale	Uncertainty / Standard
Force	Dynamometer/load cell	From 5 N to 2500 N From 3 kN to 500 kN	0,02 % 0,05 % ASTM standard E74-00a
	Materials testing machines - compression	From 1 N to 1 MN From 1 MN to 5 MN	Class 0,5 Class 1 UNI EN ISO standard 7500-1
		- traction	From 1 N to 1 MN
	Building materials - compression	From 1 N to 5 MN <i>(calibration with stiffness tester excluded)</i>	Class 1 UNI EN ISO standard 12390-4
	Impact strenght pendulum	From 50 J to 600 J	UNI EN Standard 10045-2 ASTM Standard E23-00a
	Impact strenght pendulum	From 0,2 J to 50 J <i>(for plastic material)</i>	ISO Standard 13802 (UNI EN ISO Standard 179-1/2 e 180) ASTM Standard D 6110 e D 256
Deformation	Extensometer	Base from 10 mm to 200 mm Δl max = 10 mm	Class 0,5 UNI EN ISO Standard 9513
Hardness	Hardness tester	Brinell Vickers Rockwell <i>(direct and indirect calibration)</i>	UNI EN ISO Standard 6506-2 UNI EN ISO Standard 6507-2 UNI EN ISO Standard 6508-2

Measurement uncertainty is kept within a confidence limit of 95%

TEST/CALIBRATION REPORTS (without SIT certification)

Parameter	Type of instrument	Min / Max Scale	Uncertainty / Standard
Force	Dynamometer/load cell - compression - traction	From 500 kN to 3 MN	0,2 % ASTM Standard E74-00a
		From 500 kN to 1 MN	
Deformation	Estensimetri	base From 10 to 200 mm Δl max = 10 mm	Class B1 ASTM Standard E83
Lenght	Blocks, calipers, micrometers, rings, smooth and threaded plug gauges	Depending on the instrument type	Depending on the instrument type