

Available measuring devices

General electrical tests

	Scope	Limitation	Standard	Limiting measuring device	Manufacturer
Specification	Power system simulation	U = 0 V to 300 V, 3 A I = 10 V, 0 A to 6 A 0 Hz to 500 Hz	61000-3-2		
	Laboratory power supply	30 V 20 A		EA-PS 3032-20 B	
	Arbitrary Waveform Generator	DC up to 15 MHz 0 V up to 10 V at 50 Ω Sine, Nois, Ramp, Square, ...		33120A	Agilent
Measuring	Network analyzer	up to 600 V AC, L to N up to 7 A Phase angle		UMG508 UMG512	Janitza
	Oscilloscope	500 MHz, 2.5 GS/s, 10M Points 4-channel analog / 16-channel digital		MSO 4054	Tektronix
	Multimeter	0.1 V to 750 V AC 0.1 mA to 3000 mA AC 0.1 V to 1000 V DC 0.1 mA to 3000 mA DC		34410A 2000	Agilent Keithley
				Near field probe	EMC technology
Safety	Protective insulation	2000 V DC 600 V AC 30 A	61000-4-11	GLP2e	Schleich
	Protective insulation	0 Ω to 4 Ω up to 1000 V		1000D insulation tester	METRISO
	Grounding continuity Residual current Insulation resistance	up to 19 Ω current up to 20 mA residual current up to 199 M Ω insulation		MI 3309 DeltaGT Pro	Metrel