

Technical specifications

		CA 6550	CA 6555
Test voltages		10 kV	15 kV
Test voltages	Ranges	500 V: 10 kΩ to 2 TΩ 1,000 V: 10 kΩ to 4 TΩ 2,500 V: 10 kΩ to 10 TΩ 5,000 V: 10 kΩ to 15 TΩ 10,000 V: 10 kΩ to 25 TΩ	
			15,000 V: 10 kΩ to 30 TΩ
	Fixed test voltages:	500 / 1,000 / 2,500 / 5,000 / 10,000 V	500 / 1,000 / 2,500 / 5,000 / 10,000 / 15,000 V
	Variable test voltages:	40 V - 10,000 V 3 presettable voltage values	40 V - 15,000 V 3 presettable voltage values
	Adjustment increment for variable voltages	Variable: 40-10 kV step : 40 V-1 kV: 10 V 1 kV-10 kV: 100 V	Variable: 40-15 kV step: 40 V-1 kV: 10 V 1 kV-15 kV: 100 V
	Ramp mode	3 presettable ramps: start voltage / end voltage / duration	
	Ramp configuration range	40-1,100 V / 500-10,000 V	40-1,100 V / 500-15,000 V
	Step mode	Up to 10 steps (value and duration configurable for each step)	
Voltage measurement after test		AC: 0 – 2,500 V / DC: 0 – 4,000 V	
Capacitance measurement		0.001-9.999 μF / 10.00-49.99 μF	
Leakage current measurement		0 - 8 mA	
Discharge after test		Yes / Automatic	
Additional test stop modes	I-limit	Programmable: 0.2-5 mA	
	Early-break	di/dt	
	Timer	Up to 99 minutes 59 seconds	
Burning mode	Burning	Constant testing	
Ratio calculation		PI, DAR, DD	
Calculation of R at ref. T°		Yes	
Measurement display filter		3 filters with 3 possible time-constant	
Graphs on display		R(t)+u(t); i(t); i(u);	
Storage		256 recordings, 80,000 points : R, U, I and date	
Communication		Optically-isolated port for USB and RS232 links	
PC software		DataView®	
Power supply		NiMH rechargeable batteries, 8x 1.2 V / 4,000 mAh charging by external voltage: 90-260 V 50/60 Hz	
Battery charging		Battery charging possible while performing insulation measurements	
Electrical safety		1,000 V CAT IV - IEC 61010-1 and IEC 61557	
EMC, mechanical protection, altitude		EN 61326-1 , IP54 , 3,000 m	
Dimensions and weight		LxWxH: 340 x 300 x 200 mm, 6.2 kg approx. (excluding accessories)	