



CALIBRATION SERVICES

Safety Testing Equipment

A detailed list of fully accredited calibration services for Safety test equipment.

Equipment Type	Range	Accredited	In-House	On-Site	Standard Calibration
AC Dielectric Strength Meter	AC High Voltage: 0,1kV to 10kV@50/60Hz AC Voltage Waveform: 0,1kV to 2kV@50/60Hz AC Voltage THD: 1kV@55Hz to 12kHz AC Voltage Rise ramp: 0,1kV to 2kV@50/60Hz Test Time: 0,1s to 999s AC Trip Current and Leakage Current Threshold: 1µA to 300mA@50/60Hz AC Short Circuit Current: 20mA to 1A@50/60Hz 500VA Transformer capability: 100mA@5kV 50/60Hz	X	X	X	IEC 61180-1
DC Dielectric Strength Meter	DC High Voltage: 0,1kV to 10kV DC Voltage Ripple: 0,1kV to 2kV DC Voltage Rise ramp: 0,1kV to 2kV Test Time: 0,1s to 999s DC Trip Current and Leakage Current Threshold: 1µA to 300mA DC Short Circuit Current: 20mA to 1A	X	X	X	IEC 61180-1
Ground Bond Resistance Meter	AC Current: 5A to 100A@50/60Hz Resistance and Threshold: 1mΩ to 2,4Ω@5÷10A-50/60Hz 0,5mΩ to 1,2Ω@10÷20A-50/60Hz 0,3mΩ to 600mΩ@20÷30A-50/60Hz 0,2mΩ to 400mΩ@30÷60A-50/60Hz 0,1mΩ to 200mΩ@60÷100A-50/60Hz AC Voltage and Threshold: 10mV to 12V@50/60Hz Test Time: 0,1s to 999s	X	X	X	
Insulation Resistance Meter	DC Voltage: 10V to 1000V Resistance and Threshold: 200kΩ to 10GΩ@10÷1000V Test Time: 0,1s to 999s	X	X	X	
Electrical Safety tester	AC/DC Dielectric Strength Ground Bond Resistance Insulation Resistance Leakage Current	X	X	X	
Glow Wire Test equipment	AC Current: 10A to 200A@50/60Hz AC Current - Silver Foil melting: 120A to 150A@50/60Hz Temperature: 120°C to 1000°C Temperature - Silver foil melting: 950°C to 970°C Push Force - Carriage: 0,9N to 1,1N Dimensional - Millimeter Scale: 5mm to 150mm Ambient Light - Test Chamber: 0Lux to 4000Lux Draught Proof - Test Chamber: 0m/s to 0,99m/s	X		X	IEC 60695-2-10
Tracking Test equipment	AC Voltage: 60V to 600V@45÷65Hz AC Current and Current Threshold: 15mA to 1,2A@45÷65Hz Current Threshold - Time: 0,1s to 120s Dimensional - Electrodes: 0,1mm to 150mm Angles - Electrodes: 30° to 60° Push Force - Electrodes: 0,9N to 1,1N Drops - Mass: 0,5g to 200g Drops - Erogation Time: 1350s to 1590s Draught proof - Test Chamber: 0m/s to 0,99m/s	X	X	X	IEC 60112
Needle Flame	Dimensional Tempeprature Rise Time		X	X	IEC 60695-11-5

To learn more, visit UL.com/CaragateLab or contact Dario.Rivoltella@ul.com.