



TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING

IEC 61326-1:2005, Edition 1.0

Electrical equipment for measurement, control and laboratory use

EMC requirements - Part 1: General requirements

R = Required by Lab

S = May be subcontracted

W = Witness testing

3PPS = Three Phase Power Supply required

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
6	Immunity test to electrostatic discharges (IEC 61000-4-2)	ESD simulator	R
6	Immunity test to Radiated Electromagnetic field (IEC 61000-4-3)	Signal generator, function generator, RF power amplifier, log periodic antenna, Horn antenna, isotropic field probe, power meter, directional coupler, anechoic chamber	R
6	Immunity test to power frequency Magnetic fields (IEC 61000-4-8)	Test generator, square coil, magnetic field tester	R
6	Immunity test to voltage dips, voltage variations and short interruptions (IEC 61000-4-11)	Test generator, three phase selector	R
6	Immunity test to Fast transients (IEC 61000-4-4)	Burst generator, coupling/decoupling network, capacitive clamp, probe for direct injection, reference ground plane	R



**IEC SYSTEM FOR CONFIRMITY TESTING
AND CERTIFICATION OF ELECTRICAL
EQUIPMENT**

COMMITTEE OF TESTING LABORATORIES

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
6	Immunity test to Surges (IEC 61000-4-5)	Surge generator, coupling/decoupling network, reference ground plane	R
6	Immunity test to continuous conducted disturbances (IEC 61000-4-6)	Signal generator, RF power amplifier, continuous wave generator, attenuator, EM clamp, ferrite decoupling tube, coupling/decoupling network, millivoltmeter, RF probe,	R
7.2	EMISSION-Measurement of conducted disturbances on the mains Measurement of Radiated disturbances Measurement of Radiated disturbances (CISPR 11)	Test receiver, AMN, pulse limiter, triple loop antenna, active loop antenna, active rod antenna, semi-anechoic chamber, controller, bilog antenna	R
7.2	EMISSION-Measurement of harmonics (IEC 61000-3-2)	Power source, harmonic meter	R
7.2	EMISSION-Measurement of flickers (IEC 61000-3-3)	Power source, flicker meter, impedance network	R
7.2	EMISSION-Limits for harmonics currents produced by equipment connected to public low-voltage systems with input current > 16 A and inferior or equal 75A per phase(IEC 61000-3-12)	Power source, Harmonic meter	R



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Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
7.2	EMISSION-Limitation of voltage changes, voltage fluctuations and flicker in public low voltage supply system-equipment with rated current < or equal 75A and subject to conditional connection (IEC 61000-3-11)	Harmonic and flicker analyzer	R