



IEC 61347-2-3: Edition 2 (2011)

TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING

Lamp controlger – Part 2-3: Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps

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
11	Measurement of high-frequency leakage current(Annex I)	Non inductive resistors (2000Ω), metal foil, oscilloscope, voltmeter, adjustable supply, wooden blocks	R
15	Measurement of output voltage	Oscilloscope, voltmeter, Dummy cathode resistors	R
16	Abnormal conditions	Dummy cathode resistors, rectifier diodes, variable resistor, adjustable supply, voltmeter, DC supply	R
17.2	Asymmetric pulse test	Asymmetric pulse test circuit (Fig. 3), oscilloscope, dc current probe, differential probe	R
17.3	Asymmetric power test	Asymmetric power test circuit (Fig. 4), power meter, variable resistor, rectifier diodes	R
17.4	Open filament test	Open filament test circuit (Fig. 5), resistor, fast diodes, oscilloscope, current probe, differential probe	R
Annex J	Particular additional safety requirements for a.c./d.c. supplied electronic ballasts for emergency lighting	Test equipment for IEC60929, IEC 61347-2-7 and IEC 61547 as applicable	R S