



**TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING
IEC 61347-2-9 Edition 2 2012**

**Lamp controlgear – Part 2-9: Particular requirements for electromagnetic controlgear for discharge lamps
(excluding fluorescent lamps)**

- “R” Required
- “S” May be subcontracted, see OD 2012
- “SF” Specialized Facility, see IECEE 02-2
- “W” Witness testing in the categories “MED” and “MEAS”
- “3PPS” Three Phase Power Supply required

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
14	Ballast heating test	Adjustable power supply unit, ohmmeter, wooden supports, test hood, test corner, ammeter, voltmeter, temperature measuring devices	R
15.2	High voltage impulse test for ballasts with external starting device	Load capacitance, supply unit, voltmeter, cyclic timer controller	R
15.3	High voltage impulse test for ballasts with internal starting device	Oven, variable resistor, circuit breaker, adjustable d.c. current supply, amperometer, oscilloscope (test circuit according to fig. 1)	R