



IEC 60923, Edition 3 (2005) – A1 (2006)
TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING
Ballasts for discharge lamps (excluding tubular fluorescent lamps)
Performance 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
7	Circuit power factor	Supply, amperometer, voltmeter, wattmeter	R
8	Supply current	Supply, voltmeter, reference lamp, amperometer	R
9	Current waveform	Supply, reference lamp, oscilloscope	R
10	Magnetic screening	Supply, voltmeter, steel plate, amperometer	R
12.1	Ballast setting (HPMV ballasts)	Test circuit according to fig. 2: supply, reference ballast, reference lamp, voltmeter, amperometer, wattmeter	R
12.2	Short circuit current (HPMV ballasts)	Test circuit according to fig. 2: supply, reference lamp, amperometer, voltmeter	R
12.3	Open circuit voltage (HPMV ballasts)	Supply, voltmeter	R
13.1	Ballast setting (LPSV ballasts)	Test circuit according to fig. 2: supply, reference ballast, reference lamp, voltmeter, amperometer, wattmeter	R



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

COMMITTEE OF TESTING LABORATORIES

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
13.2	Short circuit current and run-up conditions (LPSV ballasts)	Test circuit according to fig. 2: supply, reference lamp, amperometer, voltmeter	R
13.3	Open circuit voltage (LPSV ballasts)	Supply, voltmeter	R
14.2	Short circuit current and run-up conditions (MH ballasts)	Test circuit according to fig. 3: supply, rectifier, shunt, oscilloscope, voltmeter	R
15.1	Ballast setting (HPSV ballasts)	Supply, reference ballast, reference lamp, voltmeter, amperometer, wattmeter	R
15.2	Short circuit current (HPSV ballasts)	Supply, amperometer, voltmeter	R
15.3	Open circuit voltage (HPSV ballasts)	Supply, voltmeter	R