



IECEE OPERATIONAL DOCUMENT

IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System)

Committee of Testing Laboratories (CTL)

Template (Provisional) Equipment List





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Equipment and Components (IECEE System)**

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE

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TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING IEC 61010-2-033:2012, Edition 1

Part 2-033: Particular requirements for HAND-HELD MULTIMETERS and other METERS, for domestic and professional use, capable of measuring MAINS voltage

“R”	Required
“S”	May be subcontracted, see OD 2012
“SPTL”	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
14.101	Circuits or components used as TRANSIENT OVERVOLTAGE limiting devices in measuring circuits used to measure MAINS	Impulse tester to IEC 61181-1 Open-circuit voltage waveform of 1,2/50 μ s, Short-circuit current waveform of 8/20 μ s Min 12kV peak. Output impedance of 2 Ω for MEASUREMENT CATEGORIES III and IV Min 6K V peak. Output impedance of 12 Ω for MEASUREMENT CATEGORIES II.	R R
101.2	Current measuring circuits	Appropriate current source for short circuit current. Suitable current measuring device Suitable automated current switching device Timer	W
101.3	Input mismatches	HV dielectric tester, able to deliver 100mA trip current between 600 and 5000V. Current source according to table AA.1 in Annex AA.	R W

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