



## 1. TECHNICAL SPECIFICATIONS

### SAFETY SECTION

#### CONTINUITY OF EARTH CONDUCTORS

Condition OK	Condition NO	Max input current
Approx 0.2Ω	Open circuit	1A

#### INSULATION RESISTANCE

Condition OK	Condition NO	Max test voltage
Open circuit	22kΩ ± 10%	1000V DC

#### TEST ON RCD

Type of RCD	Condition OK	Condition NO
A, AC General	0.03, 0.1, 0.3, 0.5, 1, 3A	Compliance with EN61000-8

#### LINE/LOOP IMPEDANCE

Type of protection	Condition OK	Condition NO
Magnetothermic C10 (In =10A)	Zx(*)	Zx(*) +4.7Ω ± 20%

(\*) Zx = Input impedance before demoboard power supply

#### EARTH RESISTANCE WITH 3-WIRE METHOD

Condition OK (**)	Condition NO (**)	Max input current
47Ω ± 10%	1847Ω ± 10%	50mA

(\*\*) Considering RCD with I<sub>dn</sub> = 30mA and contact voltage limit = 50V

#### GLOBAL EARTH RESISTANCE WITHOUT RCDs TRIPPING

Condition OK (**)	Condition NO (**)	Reference voltage
47Ω ± 10%	1847Ω ± 10%	230V AC

#### LEAKAGE CURRENT

Test mode	Condition OK	Condition NO
Direct, Indirect	<1mA	10mA ± 20%

### ANALYZER SECTION

#### AC VOLTAGE

Parameters	Conditions of measure	Output impedance
V1N, V2N, V3N	V <sub>supply</sub> ± 15% (***)	Z <sub>load</sub> > 1MΩ

(\*\*\*) V<sub>supply</sub> = demoboard supply voltage

#### AC CURRENT

Parameters	Harm ABS	Harm GEN
I1, I2, I3	18A ± 20%	38A ± 20%
IN	5A ± 20%	9A ± 20%

### LAN SECTION

#### TEST ON LAN CABLES WITH RJ45 CONNECTOR

Type of cable	Type of error	Max current on connectors
UTP EIA/TIA 568B	12 REV PAIR, 45-78 CROSS PAIR, 12 SHORT PAIR, 78 OPEN PAIR, 36-45 SPLIT PAIRS	10mA



## 2. GENERAL SPECIFICATIONS

Power supply:	230V $\pm$ 10%, 50Hz, Phase-Neutral-PE
Nominal absorption:	60VA
Fuse protection on power supply:	type T 250V, 3.15A
PE detection:	P-N and P-PE green spotlight
Thermic protection:	HOT red spotlight for internal temperature >60°C
RCD device:	type A, AC General with nominal current from 0.03 to 3A
Magnetothermic switch:	type C10, nominal current In = 10A
Test sockets:	type F30, 250V / 16A
LAN connectors:	type RJ45 according to EIA/TIA 568B
Error simulations:	18 possible conditons + their combination
Safety terminals:	type banana, 4mm
Selection of error simulation:	8 switch (condition OK/NO)
Safety:	IEC/EN61010-1
Insulation:	main
Pollution degree:	2
Mechanical protection:	IP67 (close case)
Max height:	2000m
Size (LxWxH):	474 x 415 x 214mm
Weight:	approx 10.2kg

## 2. ENVIRONMENTAL CONDITIONS

Working temperature:	0 $\div$ 40°C
Storage temperature:	-10°C $\div$ 60°C
Working humidity:	<80%RH
Storage humidity:	<80%RH