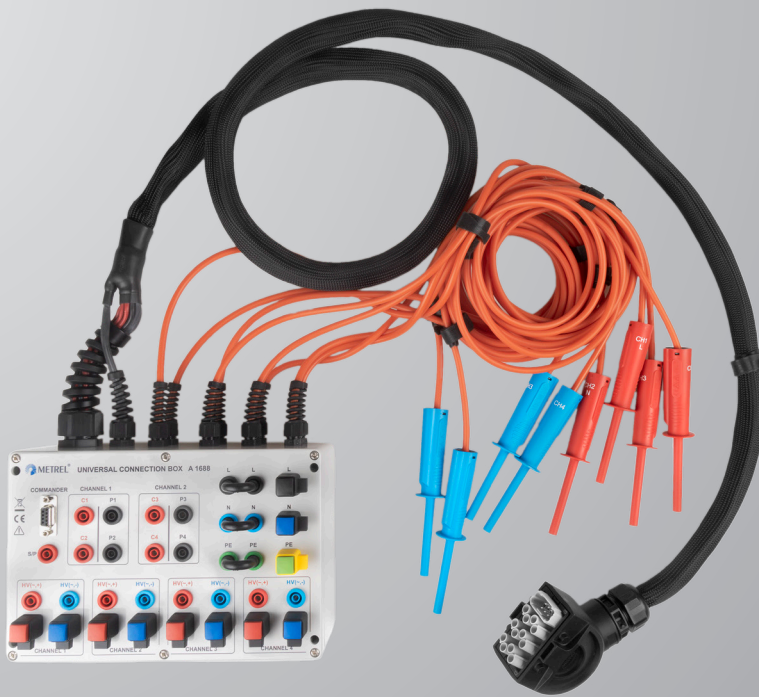


# Solutions for electrical safety test systems

## A 1688 Universal connection box



Diversity of electronic products, which need to be tested, present many challenges for the manufacturers. Different sizes, shapes and configurations of electronic devices make it challenging for electrical safety examination. Due to these facts Metrel has developed different types of connection boxes, which can be easily adopted to customer's needs.

The A 1688 connection box is a passive device that acts as a connection interface between the CE SWITCH 5 kV and the tested equipment. It is intended for connection of various 1- and 3-phase appliances to A 1600 CE SWITCH 5 kV. Equipment with intended for fixed installation and electronic subassemblies can be tested. Connections for connection to isolated conductive parts and earthed parts are added. The connection box is coded in order to prevent from applying a too high test voltage to its outputs.

### KEY FEATURES

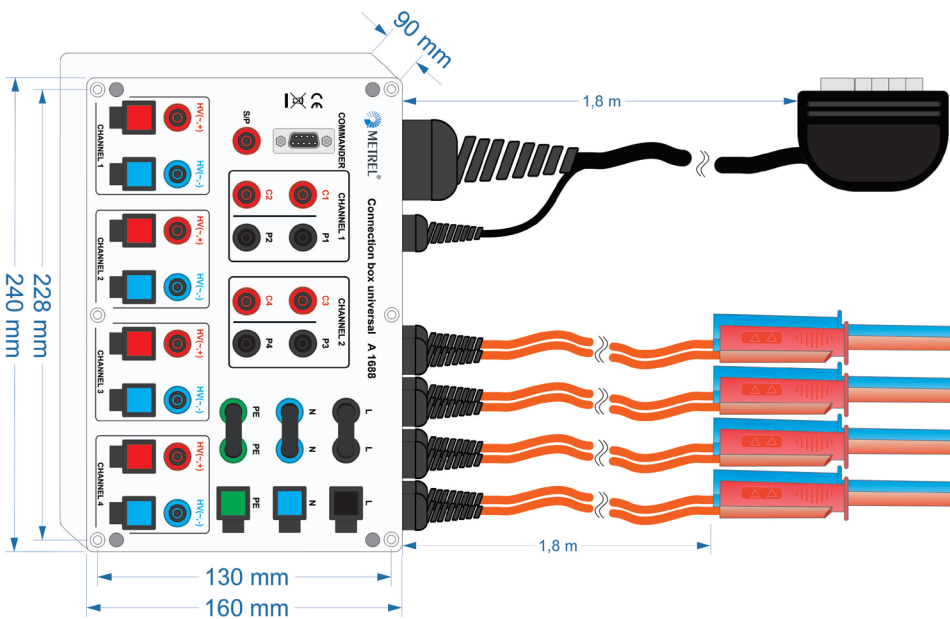
- Separate 4 Channels for High Voltage testing up to 5.1 kV AC, 6 kV DC ;
- Separate 2 Channels for 4-Wire Earth continuity testing up to 25 A;
- Terminals for connection of remote tip commander (for execution of Earth continuity test);
- Quick release terminals for connection of devices without plugs;
- Robust and durable construction;
- Ready for integration into different test cages.

### STANDARDS

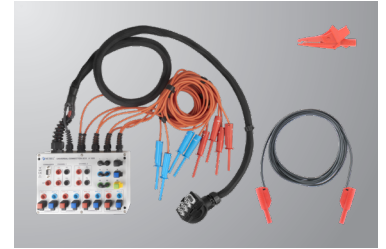
- Safety**
- EN 50191

## TECHNICAL SPECIFICATION

Measuring function	Notes
Continuity	up to 25 A
Insulation	up to 1000 V DC
Leakage	*
Power	up to 16 A-1phase
Discharge time	*
HV / HV programmable	Up to 5.1 kV AC / 6kV DC
General	
Weight	3,22 kg
Fastening screws	M4 x 12 DIN 912, 4 pcs
Dimensions	








## ORDERING INFORMATION



### Standard set A 1688

- A 1688 Universal connection box
- A 1710 Test lead, red, 1.5 m
- A 1064 Crocodile clip, red

## OPTIONAL ACCESSORIES

Photo	Order No.	Acc. description
	A 1511 2M5	Tip Commander, 2.5 m
	A 1511 5M	Tip Commander, 5 m
	A 1511 10M	Tip Commander, 10 m
	A 1047	HV test lead, red, 2 m
	A 1048	HV test lead, black, 2 m

### METREL D.D.

Measuring and Regulation Equipment Manufacturer  
Ljubljanska 77, SI-1354 Horjul, Slovenia  
T +386 (0)175 58 200, F +386 (0)175 49 226  
metrel@metrel.si, www.metrel.si

Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery.  
Subject to technical change without notice.