

Instruction manual

AC Multi Outlet Cable OT02-KPM

This AC multi outlet cable is connected to the KPM series for use. It enables you to measure the EUT just by connecting the EUT to the outlet. This makes it easy to wire the measurement circuit.

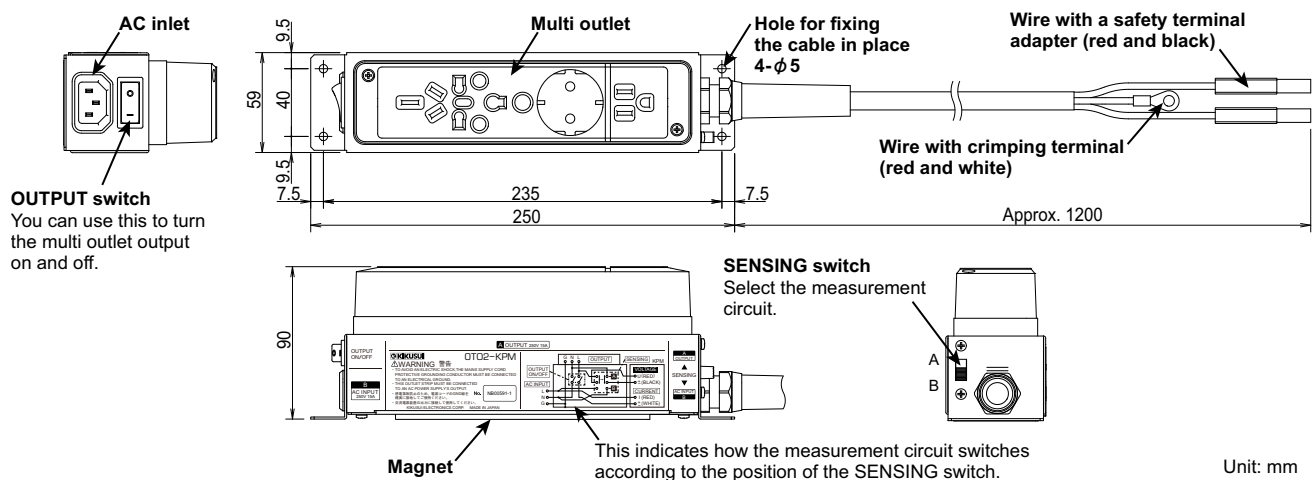
Before using this outlet cable, thoroughly read the user's manual of the KPM series.

Packing list

When you receive the product, check that all accessories are included and that the accessories have not been damaged during transportation. If any of the accessories are damaged or missing, contact your Kikusui agent or distributor.

Item	Quantity
AC multi outlet cable	1
Instruction manual (this manual)	1
China RoHS sheet	1

Names, functions and dimensions



Connection

The illustration below shows how to connect the cable to the KPM1000. For information on the connection terminals of other KPM series units, see the appropriate user's manual.

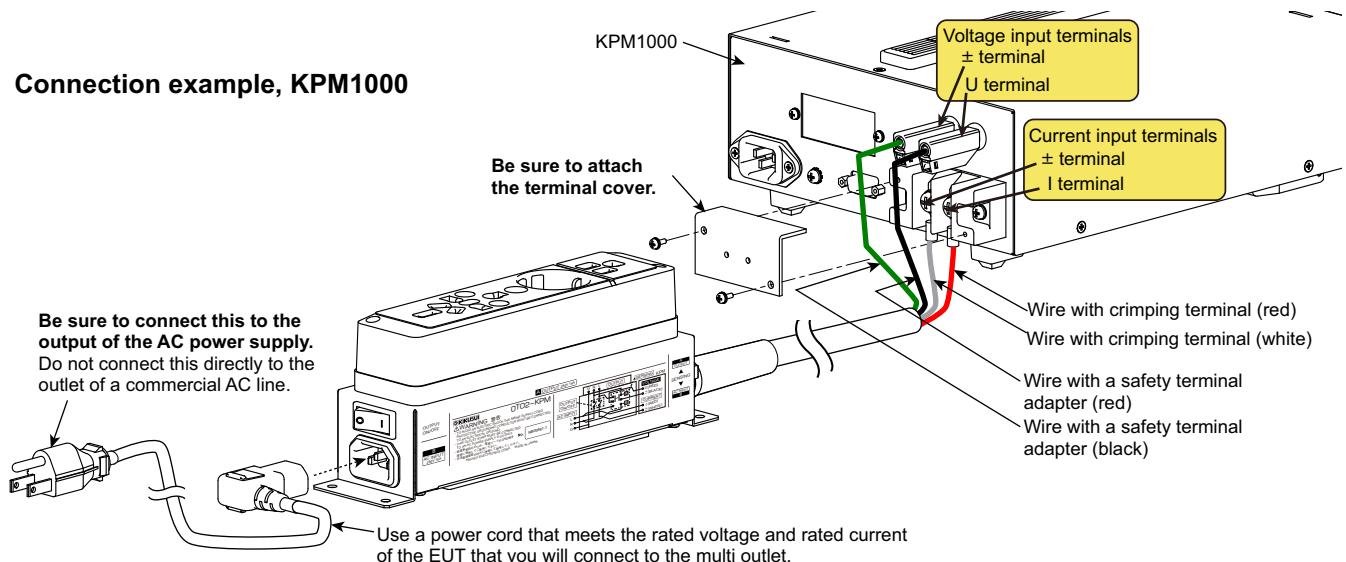
A power cord for connecting to the AC power supply is not included. Obtain a power cord that has a plug that is the correct shape and that supports the appropriate rated voltage and rated current.



WARNING Risk of electric shock.

- Before you connect the cable to a KPM series, turn off the AC power supply that you are using.
- Use a three-core power cord, and be sure to ground it.

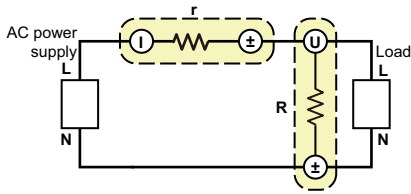
Connection example, KPM1000



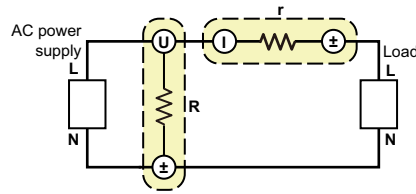
Measurement circuit selection (SENSING switch selection)

Depending on the measured current or measured voltage, the power meter's measured results may be affected by input impedance. To minimize the power loss, use the SENSING switch to select the appropriate measurement circuit.

The power loss that occurs during power measurement varies depending on the model. For details, see the user's manual for the appropriate KPM series.



Equivalent circuit of the power meter when measurement circuit A is selected



Equivalent circuit of the power meter when measurement circuit B is selected

- To measure a large current, select measurement circuit A.
- To measure minute power, such as standby power, select measurement circuit B.

r: Ammeter input impedance
R: Voltmeter input impedance

Connections to the multi outlet

The plugs that can be connected to the multi outlet are shown in the following table.

Connectable plugs and their ratings (excerpt from the WCF5901 catalog by Panasonic Electric Works, Ltd.)

Country/Region	Standard	Plug type	Plug ratings
Japan	JIS		2-pin 15 A, 125 V
United States	UL		2-pin with ground 15 A, 125 V
Canada	CSA		2-pin with ground 15 A, 125 V
			2-pin 10 A, 250 V
Australia	AS		2-pin 7.5 A, 250 V
			2-pin with ground 10 A, 250 V
			2-pin with ground 15 A, 250 V
Switzerland	SEV		2-pin 10 A, 250 V
			2-pin with ground 10 A, 250 V
Italy	CEI		2-pin with ground 10 A, 250 V

Specifications

Item	Specification
Maximum operating voltage	250 Vac
Maximum operating current	15 Aac
Environmental conditions	
Installation location	Indoors, Overvoltage category I Altitude 2000 m or less
Operating temperature and humidity ranges	0 °C to +40 °C, 20 %rh to 80 %rh (no condensation)
Storage temperature and humidity ranges	-20 °C to +70 °C, 90 %rh or less (no condensation)

⚠ WARNING Risk of electric shock. Do not use voltage or current exceeding the rated value (250 V and 15 A) of multi outlet.

Country/Region	Standard	Plug type	Plug ratings
			2-pin 2.5 A, 250 V
			2-pin 10/16 A*1, 250V
Europe	CEE DIN		2-pin with ground 10/16 A*1, 250 V, and earth on the side
			2-pin with ground 10/16 A*1, 250 V, and earth on both sides
			2-pin 5 A, 250 V
United Kingdom	BS		2-pin with ground 5 A, 250 V
			2-pin with ground 15 A, 250 V
			2-pin with ground 13 A, 250 V

*1. The rated current of the multi outlet is 15 A. It cannot be used when exceeding the rated current.

Item	Specification
Withstand voltage	Between the AC input and the chassis: 1500 Vac for 1 minute
Insulation resistance	Between the AC input and the chassis at 500 Vdc: 100 MΩ or higher
Earth continuity	0.1 Ω or less at 25 Aac
Cable Length	Approx. 1.2 m
Input terminal (inlet)	IEC 60320 C14 (UL) Applicable socket IEC 60320 C13, C15
Weight	Approx. 1.0 kg

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