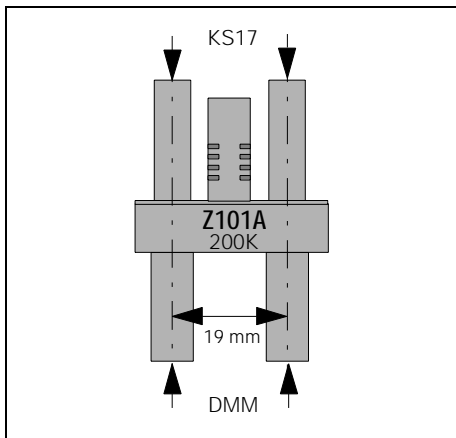


R200K

RI Adapter for Multimeters

3-348-856-15

1/8.97



1 Applications

The RI adapter is a load resistor which reduces the high input resistance of concurrent measuring instruments from about $10\text{ M}\Omega$ to approximately $200\text{ k}\Omega$.

The RI adapter is plugged onto the measuring instrument with the help of safety sockets and reduces the load resistance at the measuring point to approximately $198\text{ k}\Omega$ with its integrated $200\text{ k}\Omega$ resistor.

Thus voltages, which are generated by high impedance interference (e.g. capacitive interference), are charged with a relatively low impedance. This causes a sharp drop in voltage at the measuring point. An interrupted or faulty cable at the measuring point is thus rapidly detected.

2 Safety Precautions



Attention!

Before connecting the RI adapter to the measuring instrument, be certain that the allowable max. measuring voltage of 250 V at the measuring point is not exceeded.

If the allowable measurement voltage is exceeded, the resistor in the RI adapter becomes excessively overheated and is damaged. Extreme overloading may result in explosion.



Attention!

Always remove the connector cable from the measuring point before connecting the measuring cable to the adapter, or disconnecting it from the measuring instrument.

- ⇨ The RI adapter may only be connected if it does not demonstrate any apparent damage!
- ⇨ If the adapter demonstrates mechanical damage, cracks or other signs of impairment to its insulating properties, it is to be immediately secured against further use.
- ⇨ Use contact protected connector cables only, such as the KS17 cable set.

3 Maintenance

Inspect the resistor in the RI adapter on a regular basis with the resistance measuring range of your measuring instrument. Resistance may not deviate substantially from the nominal value of 200 k Ω .

4 Technical Data

Nominal Resistance	200 k Ω \pm 1%
Nominal Voltage	230 V~ (max. 250 V)
Electrical Safety	per IEC 1010-1
Frequency	16 ... 900 Hz

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