

# multicomp PRO



## DECADE BOX

Model No: MP701033

## **IMPORTANT SAFETY INFORMATION**

**Please read these instructions carefully before use and retain for future reference.**

**When using electrical appliances basic safety precautions should always be followed.**

- To prevent fire or shock hazard, do not expose this product to rain or moisture.
- To avoid electrical shock, do not open this product.
- Take caution when voltages are above 60V DC and 30V AC rms.
- Do not exceed 30V AC or 60V DC across the terminals.
- Maximum internal resistor power rating is 0.3W.
- Check the case insulation condition before using. If you find any breakage, damage or abnormality, or you consider the device is broken, stop using the device immediately.
- Disconnect the resistor box from other voltage sources when it is not in use.
- Refer servicing to qualified personnel only.

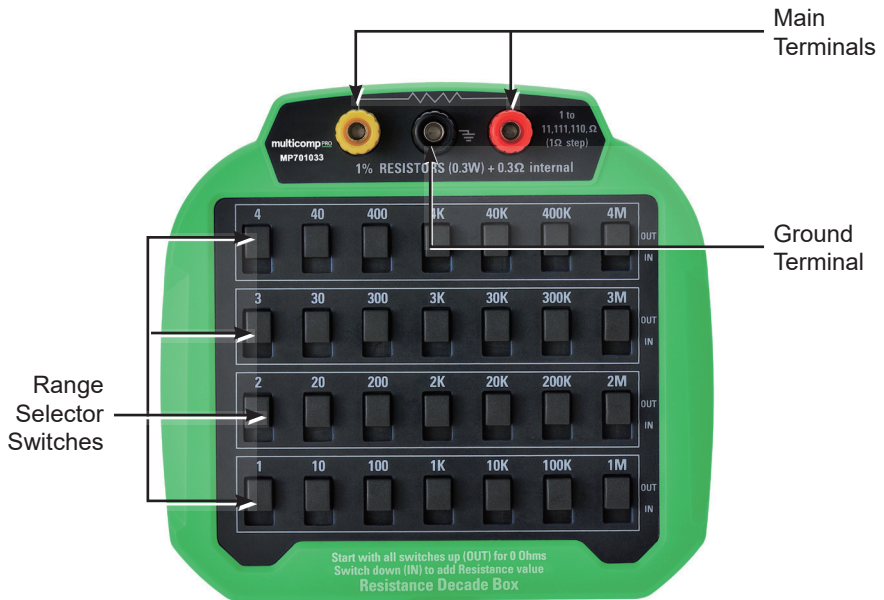
## **WHAT'S INCLUDED**

- Decade Box
- User manual

## **FUNCTIONS**

- Pocket size, offering accurate, reliable performance.
  - Seven decades of resistance value from  $1\Omega$  ~  $11.11111M\Omega$ , in  $1\Omega$  increments using 28 individual slide switches
  - Slide switches allow easy addition and subtraction of resistance values.
  - Binding posts offer simple and secure connections.
1. A banana plug can be inserted directly into the posts.
  2. Bare wire can be threaded through the post after it has been unscrewed.
  3. Alligator clips can be used but use caution not to damage the post threads or plastic post housing.
- ABS plastic housing case, rugged components.
  - This device can be used to verify the calibration integrity of multimeters, LCR meters, calibrators, etc.

## OPERATION



- Connect the positive lead of the device under test to the red post.
- Connect the negative lead to the yellow post.
- The black post is case ground and is typically not used.
- Use the black grounding post only if the device under test will be ground to the case.
- Start initially with all switches up (OUT) for zero.
- Switch down (IN) to add resistance value.
- If the device under test doesn't read the value of resistance selected the device under test may need calibration, adjustment or repair.

## SPECIFICATIONS

Function	Description
Range (Resistance)	1Ω ~ 11.11111MΩ, in 1Ω increments
Accuracy (Resistance)	1%
Power	0.3W
Internal resistance	0.3 Ω maximum
Operating temperature	0° to 50°C (32° to 122°F)
Operating humidity	Less than 80% RH
Weight	295g
Dimensions (H x W x L)	131 x 140 x 30mm

## CLEANING

- Clean the casing with a clean, soft cloth.
- Do not use any chemicals, abrasives or solvents that could damage the case.



### INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT

These symbols indicate that separate collection of Waste Electrical and Electronic Equipment (WEEE) or waste batteries is required. Do not dispose of these items with general household waste. Separate for the treatment, recovery and recycling of the materials used. Waste batteries can be returned to any waste battery recycling point which are provided by most battery retailers. Contact your local authority for details of the battery and WEEE recycling schemes available in your area.



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