6550 & 6555 Megohmmeter – Lead Compensation Feature

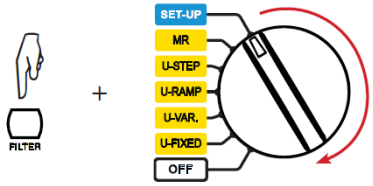
The Red lead in our set of 3 leads (Cat# 2151.14, shown at right) currently supplied with the Models 6550 and 6555, includes 1 resistor of 22kΩ on each end to limit the peak short circuit current.

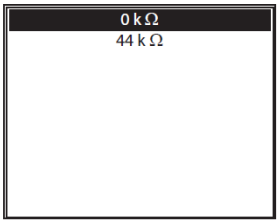
The Red lead is marked with K22 at each end to identify the lead type (shown at right).

This creates a 44kΩ lead resistance that needs to be compensated for in the instrument. ***NOTE: When troubleshooting issues and checking lead continuity, these leads will not pass a straight continuity test. They will measure 44kΩ.***

All 6550 and 6555 Models with firmware version 2.1/2.1 or later allow you to select 0kΩ or 44kΩ lead compensation before using the meter. Users with K22 marked leads should enable 44kΩ lead compensation on their 6550/6555. By default, all new products are shipped with K22 leads and 44kΩ lead compensation selected.

To enter the lead compensation selection menu, press the "Filter" button and hold it down while turning the switch from the OFF position to the SET-UP position.





Use the ▲ and ▼ arrow keys to select 44kΩ or 0kΩ. Use the ▶ arrow key to select the highlighted entry. After a few seconds, the meter will reboot and the value is permanently saved until changed again.

If you are using a Red lead with no K22 markings, as provided with our Hippo Clips, the compensation selection should be set to 0kΩ. The below table shows our currently offered leads and the related compensation needed in the instrument.

Catalog # - Description	2151.14 - Replacement Leads	2151.17 - Optional Hippo Clip Leads	2151.20 (25ft), 2151.23 (45ft) - Optional Hippo Clip Lead
Image			
Lead Compensation	**44kΩ**	**0kΩ**	**0kΩ**

Please visit our Youtube channel for a video showing the above configuration process. Thank you.

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