

Amplifying Filter Instructions

The Amplifying filter is a device that modifies the energy field around a test object to effectively filter out the effects of conductivity. This is especially useful when measuring liquid solutions that may have high conductivity or objects that contain metal.

The amplifying filter is placed centered over the blue square electrode on the LM4. Objects to be tested are then placed on top of the amplifying filter, also centered over the blue square. Typically the user will select the x10, x100 or x1000 ranges on the LM4 when using the amplifying filter.



The amplifying filter has a quality factor of 108 as compared to the LM4 alone that has a factor of 5. This means that the effects of metal and conductivity will be about 20 times less when using the filter.

The Amplifying Filter must be filled with distilled water before using. The simplest way to do this, and avoid bubbles, is to fill a container with distilled water, large enough to fully immerse the container and lid. You can then move the lid to its proper position and then secure the flaps. It must be dried on the outside before using.

Small bubbles may be present in the amplifying filter over time. This is normal and will not adversely affect its function.

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