

Charged Capacitor Protection for the 7000

The input circuitry of the 7000 Series Precision LCR Meters is protected from accidental discharge of charged capacitors into the front end of the instruments. This protection is designed to absorb discharges of various currents and amplitudes and consists of series impedance, diodes and a spark gap.

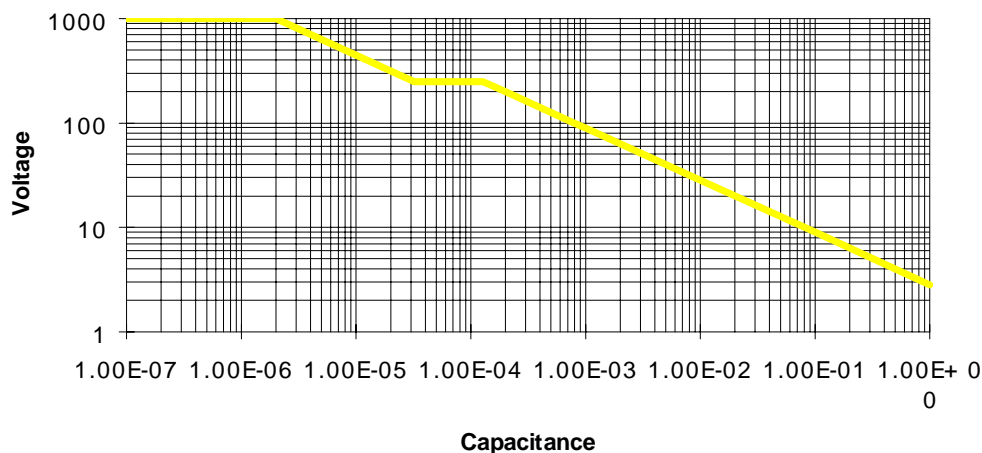
The instrument specification is:

$$V_{\max} = \sqrt{8/C} \text{ for } V_{\max} = \text{ or } < 250 \text{ V}$$

$$V_{\max} = \sqrt{2/C} \text{ for } V_{\max} = \text{ or } < 1000 \text{ V}$$

where C is in Farads

7000 Series Charged Capacitor Protection Curve



NOTE

Impedance meters should **not** be used as a means to discharge capacitors. Every effort should be used to assure that the charge on a capacitor to be measured is completely removed before the leads to the tester are connected.

For complete product specifications on the 7000 Series Precision LCR meters or any of QuadTech's products, visit us at <http://www.quadtech.com/products>. Do you have an application specific testing need? Call us at 1-800-253-1230 or email applications at jkramer@quadtech.com and we'll work with you on a custom solution.

The information presented here is subject to change and is intended for general information only

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