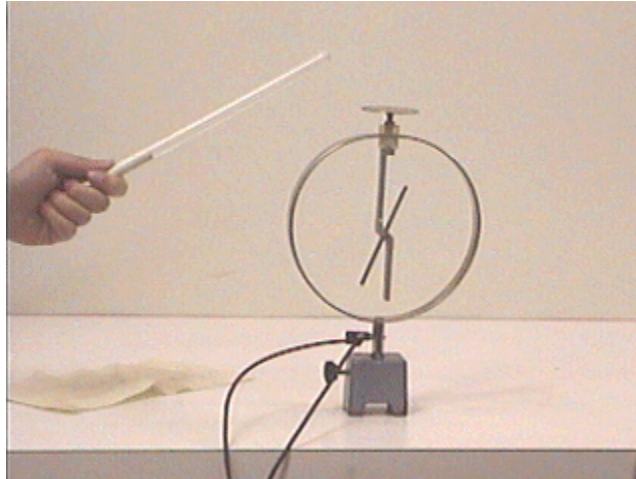


Answer #129

The answer is (b): the reading will indicate a smaller voltage or a smaller charge, as seen in an mpeg video by clicking your mouse on the photograph below.



When a positively charged rod is brought close to the terminal, it pulls electrons out of the electrostatic demonstrator toward the terminal. Because the electrostatic demonstrator was charged *negative* by induction, pulling away some of the charge results in a smaller charge, or a smaller voltage, on the electrostatic demonstrator, as observed.

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For questions and comments regarding the *Question of the Week* contact [Dr. Richard E. Berg](#) by e-mail or using phone number or regular mail address given on the [Lecture-Demonstration Home Page](#).