Experimenters at the Institute for Atomic Research, Iowa State College, Ames, Iowa, use the K-2 potentiometer shown above to measure current in the coil of the Beta-Ray Spectrometer at left. The potentiometer measures voltage across a standard 0.01 ohm resistor shunted around the coil. With this information and an accurate measure of deflection caused by the magnetic field, the scientists calculate the energy of the Beta-Rays. Instrument panels in the picture are, left to right: scaling unit panel, vacuum gauge panel, and power rack panel.

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