

# Crompton Potentiometer

Crompton & Co.



**Crompton Potentiometer:**

- Instrument for precise measurement of very small voltages (millivolts).
- Operates by comparing an unknown voltage to a known reference.
- Widely used in electrical laboratories.
- Adheres to international standards for voltage measurement.
- Known for its accuracy in electrical testing and calibration.

**Historical Context:**

- Potentiometer concept invented by Johann Christian Poggendorff.
- Crompton Potentiometer developed by Rookes Evelyn Bell Crompton.

**Usage at VJTI (Veermata Jijabai Technological Institute):**

- Commonly used for educational and research purposes.
- Crucial tool for teaching electrical measurements and calibration techniques.
- Used in experiments involving resistance, voltage, and power measurements.

**Lifetime at VJTI:**

- Part of the VJTI laboratory since the mid-20th century.
- Played a key role in training thousands of electrical engineering students.
- Retired from active use.
- Remains on display as a historical piece of educational equipment.

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**References:**

1. [https://en.wikipedia.org/wiki/Potentiometer\\_\(electrical\\_device\)](https://en.wikipedia.org/wiki/Potentiometer_(electrical_device))

1. [https://en.wikipedia.org/wiki/R.\\_E.\\_B.\\_Crompton](https://en.wikipedia.org/wiki/R._E._B._Crompton)

1. [https://en.wikipedia.org/wiki/Johann\\_Christian\\_Poggendorff](https://en.wikipedia.org/wiki/Johann_Christian_Poggendorff)

