

Voltage Reference



EM4230-001 (10.00V / 1.00V 5mA max.)

Description:

The IEC 'Voltage Reference' is useful where an exact voltage is required as a reference during an experiment.

It is battery operated and provides two reference voltages at 10.00V and 1.00V.

Replaces the old 'Weston Standard Cell' for most applications.

The 'Weston Standard Cell' is a chemical cell and produces a very precise voltage but it has several disadvantages:

It is sometimes difficult to obtain, it is fragile and easily broken and it can supply only a

very small current before its precise voltage suffers.

The IEC reference on the other hand includes 2x 9V #216 internal batteries, is very robust, provides 2x reference voltages and can supply 5mA of current without the precise voltages suffering.

Voltage reference accuracy is better than +/- 0.2% of reference voltage which is better than normally required for school use.

10V +/- 0.02V 1V +/- 0.002V

Length: 115mm	Width: 82mm	Height: 30mm	Weight: 170g
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Designed and manufactured in Australia