

## Protek D620

### 100,000 Count Data Logger DMM

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The Protek D620 meter available from Circuit Specialists Inc ([www.circuitspecialists.com](http://www.circuitspecialists.com)) is a full featured top of the line DMM with some special features that greatly enhance its versatility.

The basic resolution and accuracy of the unit are exceptional due to the 100,000 count measurement system. The basic accuracy is specified as 0.02% for all DC voltage measurements and better than 1% for AC voltage measurements and also for resistance measurements. The meter has a resolution of 1 uV in the DC measurement mode and 10 uV in AC mode, making it useful for precision laboratory application as well as every day use.

In addition to the basic measurements of AC and DC voltage and current, resistance, capacitance, diode test and temperature the meter offers true RMS measurements as well as measurements of frequency, pulse period and pulse width, and duty cycle. The range of these special measurement modes is from well below 1 Hz up to 1 Mhz with an accuracy spec of better than 0.1 %.

Although these features are nice and compare favorably to several name brand DMMs that cost much more, the added Data Logger function makes this meter unique. The D620 can store up to 37,300 time stamped values of any of the measured functions in its own internal memory. **The unit can also plot the data values on the built in LCD display. The data is displayed as a trend plot that shows a plot of the relative values over the desired time period.** This feature allows the meter to be used without ever having to connect it to a PC. The unit also comes with an RS-232 interface which allows unlimited data storage and display on a separate PC.