

Function	MULTIMETER SELECTION GUIDE								
	Miniature MM 840071	Standard MM 840072	Standard MM 840073	Bar Graph MM 840075	Field MM 840074	Field MM 840076	Field MM 840079	Laboratory MM 840077	Datalogging MM 840078
Price	\$9.00	\$19.00	\$33.00	\$70.00	\$66.50	\$77.00	\$103.00	\$204.00	\$235.00
DC Voltage	•	•	•	•	•	•	•	•	•
AC Voltage	•	•	•	•	•	•	•	•	•
DC Current	•	•	•	•	•	•	•	•	•
AC Current			•	•	•	•	•	•	•
Resistance	•	•	•	•	•	•	•	•	•
Diode	•	•	•	•	•	•	•	•	•
Data Hold		•	•		•	•	•	•	•
Continuity Buzzer		•	•	•	•	•	•	•	•
Input Impedance for Voltage Measurement	•	•	•		•	•	•	•	•
Auto Ranging			•	•	•	•	•	•	•
Frequency				•		•	•	•	•
Capacitance					•	•	•	•	•
Relative				•	•	•	•	•	•
Back light						•	•	•	•
RS232C					•		•	•	•
Duty Cycle					•	•	•	•	•
Sleep Mode			•			•		•	
Temperature						•	•		•
Square Wave Output	•	•	•						
Analog Bar Graph				•				•	•
Max/Min				•				•	•
True RMS							•	•	•
Auto Power Off				•					•
Transistor		•	•						
High Voltage Warning	•								
Time Display			•						
Conductance								•	
RPM									•

# SPER SCIENTIFIC LTD.

YOUR SOURCE FOR PROFESSIONAL LABORATORY METERS



# MULTIMETERS



**Multimeters are widely used in engineering and electronics labs, electronics production and Q.C., electrical installation, service and maintenance. Sper Scientific offers 9 models with features for every application.**

**Each Sper Scientific multimeter comes complete with everything needed for immediate use including:**

- Test leads
- Batteries
- Fast type fuse protection
- 5-year warranty
- Temperature probes, computer cables and software for the appropriate models.

**All units measure:**

- ACV
- DCV
- DC current
- Resistance
- Diode test.

**In addition each model has a variety of special features.**



## **MINIATURE MULTIMETER 840071**

CE

If you're seeking a multimeter small enough to have with you at all times this is it. Easily fits in a shirt pocket and comes with built-in test leads. Despite its tiny size this is a rugged, full function multimeter with lots of features including:

- 1999 count display
- Battery test
- Square wave Output
- Hi-voltage warning



## STANDARD MULTIMETERS 840072/73



All the multimeter functions required for standard applications and more, at a terrific price. Comes with a protective rubber holster featuring a tripod back that also attaches to a belt. The holster has a clip which holds the test lead in place while at work and covers the tip for safety while traveling. Special features include:

- 1999 count display
- Continuity
- Transistor
- Hold
- Square wave output



Model 840073 also provides:

- 3999 count display
- Auto Ranging (DCV, ACV, resistance)
- Sleep mode
- Time display
- AC Current



## FIELD MULTIMETERS 840074/76/79



Unique case featuring integral molded rubber sides provides excellent insulation and years of rugged field use. Many special features including:

- 3999 count display
- Auto ranging
- Auto/manual range selectable
- AC Current
- Hold
- Continuity
- Capacitance
- Duty Cycle
- Relative
- Sleep mode (840076)
- RS232 (840074, 840079 cables and software included)
- Frequency (840076, 840079)
- Temperature (840076, 840079 temperature probes included)
- Backlight (840076, 840079)
- True RMS (840079)



### BAR GRAPH MULTIMETER 840075



CAT II 600V

Features a high speed bar graph display. Also has an integral tripod back with wall mount. Features:

- 3999 count display
- Auto ranging
- Auto power off
- Max-min
- Relative
- Frequency
- Continuity
- AC Current



### LABORATORY MULTIMETER 840077



\*Available early September

Extremely high accuracy of +/- (0.05%+1) DCV and other advanced features make this unit ideal for laboratory applications including:

- 79999 count backlit display with bar graph
- True RMS
- RS 232 computer output (cables and software included)
- Auto Ranging
- Max/min/ave.
- Peak/min/max
- Sleep mode
- Continuity
- Capacitance
- Conductance
- Frequency
- Relative mode
- Duty cycle
- Hold
- AC Current
- Case with integral molded rubber sides



## **DATALOGGING MULTIMETER 840078**



Cat III 1000V

Internally logs up to 32,000 records that can later be downloaded to a computer via the RS232 port. Large LCD and controls make this unit excellent for bench-top use as well as field use. Comes complete with computer cables and software, temperature probe, protective rubber holster with tripod back, wall mount and integral test lead holders. Advanced features include:

- 4000 count backlit display with bar graph
- True RMS
- Auto ranging
- Auto power off
- Max-min
- Hold
- Frequency
- Continuity
- Capacitance
- RPM
- Temperature
- AC Current

### **OPTIONAL ACCESSORIES:**

#### **WATER RESISTANT INSTRUMENT POUCH 840090**



Fits all Sper Scientific Meters and helps protect them from the elements during field work. The pouch enables the user to read and operate the instrument inside while the probe extends outside. Has a carrying strap and a Velcro sealed top. Dimensions: 9" x 7" (229 x 178 mm)