

Scientech multimeters are specially made for the field service technician. They're small in size, easy to use, rugged, and versatile.

These State-of-art DMM's have transient protection and high voltage fuses to withstand the use and abuse of the field.

Scientech Technologies also manufactures a range of State-of-the-Art Test & Measurement Equipment. Our Product range includes :

- ✧ 10 MHz Portable Oscilloscope
- ✧ 20 MHz Oscilloscopes with built in Option - Function Generator, Frequency Counter, Power Supply, DVM, Curve Tracer
- ✧ Power Supplies
- ✧ Function Generators
- ✧ Digital Multimeters
- ✧ Frequency Counters
- ✧ Low Distortion Audio Generator
- ✧ Circuit Designing, Simulation & Analysis Software
- ✧ PCB Design Software

Power to measure...
in your hands!



World Class Digital Multimeters

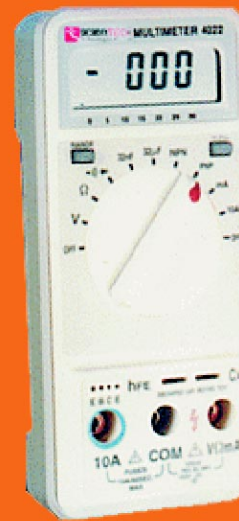
MODEL 4011



MANUAL RANGING

- 3½ Digit
- DC-AC Volts & Currents
- Resistance / Diode / Continuity Testing
- Capacitance / Frequency Measurement
- Transistor H_{FE} Measurement
- 10A Range Fuse Protected
- Palm-size with built-in tilt stand
- Auto Polarity
- Over Range indication
- 2.5 Measurement/Sec.
- Palm-size with built-in tilt stand

MODEL 4022



AUTO RANGING

- Digital & Analog (Bar Graph)
- 3200 counts Display
- Auto/ Manual Ranging
- Full LCD Annunciator
- DC-AC Voltage & Current, Resistance & Capacitance
- Diode & Continuity Test
- Transistor HFE Measurement
- All Ranges Protected (10A also)
- Palm-size with built-in tilt stand

Function	Range	Accuracy	Input Impedance	Max. Input
DC Voltage	200mV	$\pm 0.5\%$ of rdg $\pm 1D$ $\pm 0.6\%$ of rdg $\pm 2D$	10 M Ω	1000 VDC or Peak AC
	2V/20V/200V/ 1000V			
AC Voltage	200mV	$\pm 0.5\%$ of rdg $\pm 1D$ $\pm 1.5\%$ of rdg $\pm 2D$	10 M Ω	750 V rms 300 V rms at 200 mV
	2V/20V/200V/ 750V			
DC Current	2-20-200mA	$\pm 1.2\%$ of rdg $\pm 1D$ $\pm 2.0\%$ of rdg $\pm 4D$	Burden Volts	Protection
	10A			
AC Current (50-500Hz)	2-20-200mA	$\pm 1.8\%$ of rdg $\pm 3D$ $\pm 3.0\%$ of rdg $\pm 4D$	Burden Volts	Protection
	10A			
Resistance	200 Ω	$\pm 1.0\%$ of rdg $\pm 3D$ $\pm 0.8\%$ of rdg $\pm 3D$ $\pm 3.0\%$ of rdg $\pm 3D$	3V DC 0.3V DCV	500 VDC or AC Peak
	2-2000K Ω			
	20M Ω			
Diode	Test Voltage 2V	Test Current 1.0-6mA)		
Capacitance	200pF	$\pm 5\%$ of rdg $\pm 1D$	400Hz-50mV	
	20-200nF 2-20 μ F			
Frequency (Auto Range)	2KHz-15MHz	$\pm 5\%$ of rdg $\pm 1D$	Trig - Lo - 1 Vrms Trig-Hi - 2Vrms	
H_{FE}	0-1000	$I_b = 10\mu A$ approx.	$V_{ce} < 3.5V$	

Continuity : 200 Ω Beeper Sounds < 40 $\Omega \pm 10D$

Resolution : For DC V & AC V : 10 μ V

For DC A & AC A : 1 μ A

Res : 0.1 Ω

Freq : 10 Hz

Large Size LCD Display : 3 Digit - 1999 counts

Auto zero/ Auto Polarity

Over Range indication

Power - 9V Battery : typical - 225 Hours. Low Battery Indication

Operating Condition : 0-50 C - 75%RH

Dimensions (mm) 151H x 70W x 38D

Weight - 200g with Battery

Function	Range	Accuracy	Input Impedance	Max. Input
DC Voltage	320 mV	0.8% of rdg $\pm 1D$ $\pm 0.5\%$ of rdg $\pm 1D$ $\pm 0.6\%$ of rdg $\pm 2D$	1000m Ω	1000 VDC or Peak AC
	3.22V/32V/320V 1000V			
AC Voltage	3.22V - 320V	$\pm 1.0\%$ of rdg $\pm 4D$ $\pm 1.3\%$ of rdg $\pm 6D$	10 M Ω	750 V rms
	750V			
DC Current	32-320mA	$\pm 1.2\%$ of rdg $\pm 1D$ $\pm 2.0\%$ of rdg $\pm 4D$	Burden Volts	Protection
	10A			
AC Current	32-320mA	$\pm 1.2\%$ of rdg $\pm 1D$ $\pm 2.0\%$ of rdg $\pm 4D$	Burden Volts	Protection
	10A			
Resistance	320 Ω	$\pm 1.0\%$ of rdg $\pm 5D$ $\pm 1.0\%$ of rdg $\pm 3D$ $\pm 2.5\%$ of rdg $\pm 8D$ $\pm 5.0\%$ of rdg $\pm 8D$	< 0.7mA < 130 -13-1.3 μ A < 0.13 μ A < 0.13 μ A	500 VDC or Peak AC
	3.2-32-320K Ω			
	3.2M Ω			
	32M Ω			
Diode	Test Voltage 2V max	Test Current 1.0 \pm 6mA)		
Capacitance	32nF	$\pm 5\%$ of rdg $\pm 10D$	50Hz - 50mV	
	32 μ F			
H_{FE}	0-1000	$I_b = 10\mu A$ approx. $V_{ce} < 3.5V$		

Continuity : 200 Ω Beeper Sounds < 40 $\Omega \pm 10D$

Resolution : For DC V & AC V : 10 μ V

For DC A & AC A : 1 μ A

Res : 0.1 Ω

Freq : 10 Hz

Auto zero/ Auto Polarity

Over Range indication

Power - 9V Battery : typical - 225 Hours. Low Battery Indication

Operating Condition : 0-50 C - 75%RH

Dimensions (mm) 151H x 70W x 38D

Weight - 200g with Battery