



571 Curve Tracer

### 571 CURVE TRACER

The 571 Curve Tracer is designed to accurately display the characteristics of two and three terminal semiconductor devices at a very affordable price. This easy-to-operate curve tracer is ideally suited for testing diodes, transistors, and thyristors.

Characteristic curves are digitized and displayed on a large video display CRT.

The 571 Curve Tracer is extremely versatile, yet remarkably easy to operate. Two main display screens are provided. The first screen is a menu page for selecting the device type and all relevant parameters. Parameters are selected and modified by a simple front-panel keypad entry.

The second screen displays the measured data – a family (set) of curves. The collector voltage and current parameters can be easily changed without switching back to the menu screen. An operator prompt line is provided at the bottom of each screen to always indicate which push-buttons are active.

Up to 12 parameter set-ups (12 completed tests) can be stored in non-volatile EEROM memory to speed up testing of frequently used devices. One set of characteristic curves can be stored in RAM memory for comparison of one device to another (reference device). A monitor for classroom viewing can be connected to the monochrome video output.

A complete set of device adapter sockets are an integral part of the front-panel, preventing possible misplacement.

### CHARACTERISTICS

**Collector Supply** – 0.5 to 100 volt in 8 ranges max 2 A @ 50 V, 1 A @ 100 V.

**Selectable Load Resistor** – 0.3, 10, 100  $\Omega$  and 1, 10 k $\Omega$ .

**Base Drive** – max 10 steps, 0.5  $\mu$ A/step to 20 mA/step both source and sink in 15 ranges.

**Gate Drive** – 0.1 V/step to 1 V/step positive and negative in 4 ranges.

**$I_c$  Measurement** – 5  $\mu$ A to 200 mA/div. in 15 ranges.

**Cursors** – Two cursors can be moved along the displayed curves. The X and Y position of the cursor will be displayed on the screen. Basic accuracy is 2% of full scale, all mentioned ranges are in 1-2-5 sequence.

**Video** – BNC connector. 50 Hz frame rate, 17.8 kHz line rate.

**Printer Out** – Centronics® parallel interface. Output format for Epson® or IBM® compatible.

### 571 Curve Tracer

- Easy to operate
- Menu Driven
- Digital Waveform
- Non-Volatile EEROM – Store 12 Test Setups
- Accurate Cursor Measurements
- Hard Copy Output to Matrix Printer
- Built-in Safety Features
- Composite Video Output (50 Hz)
- Built-in Test Sockets

### ORDERING INFORMATION

571 Curve Tracer **\$2,950**  
Includes: Operators Manual, Power Cord

#### INTERNATIONAL POWER PLUG OPTIONS

Opt. A1 – Universal Euro 220 V, 50 Hz	NC
Opt. A2 – UK 240 V, 50 Hz	NC
Opt. A3 – Australian 240 V, 50 Hz	NC
Opt. A4 – North American 240 V, 60 Hz	NC
Opt. A5 – Switzerland 220 V, 50 Hz	NC

#### OPTIONAL ACCESSORIES

Printer Cable 9 ft. Male to Male Centronics (012-1284-00)	<b>\$75</b>
Printer Cable – Shielded (012-0555-00)	<b>\$125</b>
Camera – C-4 Opt. 11	<b>\$475</b>