

NEW Huntron Tracker® 2700

- Troubleshoot Low Voltage Logic Circuitry without the Possibility of Exceeding Manufacturers Specifications
- Features Huntron SigAssist™ for Display of Signature Resistance, Capacitance and Breakdown Voltage
- Test Gate-Fired Devices with a Built-in DC Voltage Source
- High Resolution Color LCD for Signature and Menu Display
- Individually Select Source Voltage, Source Resistance and Test Frequency to Create over 100 Range Combinations



Each Unit Includes: 1 pair Huntron MP10 Microprobes, 1 set Common test leads, 1 Blue clip lead, Power cord and an Instruction CDROM

The Next Generation Huntron Tracker

The **Huntron® Tracker® 2700** extends the capabilities of the popular Tracker 2000 to troubleshoot low voltage logic circuitry. Its low voltage ranges also make it ideal for testing passive devices such as high value capacitors while still in-circuit. Using a power off test method known as Tracker Signature Analysis, it eliminates the risk of further circuit damage, which often occurs when power is applied.

Troubleshooting Challenges

Modern complex switching power supplies with fail-safe protection circuits contain many passive components that are difficult to test in circuit due to parallel solid state devices. The 200mV range of the **Tracker 2700** allows resistors, capacitors and inductors to be analyzed without turning on the parallel solid state devices. The passive devices are essentially tested "out of circuit".

Today's portable electronic devices use 3 volt or lower logic circuits. The low test voltage ranges of the **Tracker 2700** make it an ideal tool to troubleshoot these products. Additionally, the Tracker 2700 features variable ranges and parameters resulting in over 100 combinations of voltage, source resistance and test frequency.

Tracker Signature Analysis

The **Tracker** works by applying a current-limited AC signal across two points of a component. The current flow causes a vertical deflection of the CRT trace, while the applied voltage causes a horizontal deflection. Together they form a unique V/I signature that represents the overall health of the device under test. Analyzing the signature can quickly determine whether the component is good, bad, or marginal.

Specifications

Test Frequencies	20 Hz, 50 Hz, 60 Hz, 200 Hz and 2 kHz
Open Circuit Voltage (peak voltage)	200mV, 3V, 5V, 10V, 15V, 20V
Source Resistance	10Ω, 100Ω, 1kΩ, 10kΩ and 100kΩ
Range Selection	Manual or Auto Scan
Channels	2 (A, B, Alternate)
Alternation Rate	0.5 Hz to 5 Hz (synchronized to sinewave zero-crossing)
DC Source Level	0 to +5 Vdc
DC mode only	+DC output
Output impedance	25W
Short Circuit Current	200 mA maximum
Line Voltage	115 VAC/230 VAC
Frequency	47 Hz to 63 Hz
Power	20 Watts maximum
Line Protection fuse	0.25 Amp type AGC fuse (operator replaceable)
LCD Display	Color; 320x240 pixels
Dimensions/Weight	11in L x 9in W x 4in H (28cm L x 23cm W x 10cm H)/ 6.0 lbs. (2.8 kg)
Operating Temp	+32°F to +104°F (0°C to +40°C)
Storage Temp	-4°F to +140°F (-20°C to +60°C)
Warranty	1 year, limited

Ordering Information

Order #	Mfg #	Description	Price
MP99-0369	Tracker 2700	Tracker 2700 Component Tester	

NEW Huntron Tracker® 200

- CE Certified
- Test Components and Boards without Power
- Uses the X-Y inputs on Most Oscilloscopes
- Test Gate-Fired Devices with a Built-in Pulse Generator
- Non-Destructive Testing

Specifications

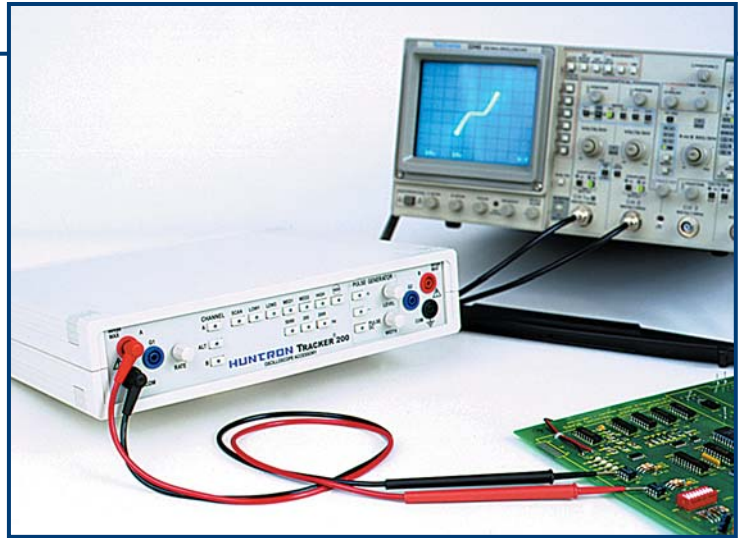
Ranges	VS (Vpk)	ZS (k _Ω)	ISC (mArms)	Pmax (mW)	Pdiode (mW)
High	60	74	0.6	6	0.2
Medium 2	20	27	0.6	2	0.2
Medium 1	15	1.2	8.5	23	2
Low 2	10	54 _Ω	132	232	33
Low 1	3	10	0.21	0.1	0.05

Input Selection	A, B, Alternate (variable rate)
Test Frequencies	50/60Hz, 200Hz, 2000Hz
Pulse Generator Level	0V to 5V +DC or -DC
Line Voltage	100 VAC, 115 VAC or 230 VAC 50 or 60 Hz
Dimensions/Weight	10.2 in L x 11.45 in W x 2.45 in H (25.9 cm L x 29.1 cm W x 6.2 cm H)/ 4.6 lb. (2.1 kg)
Warranty	1 year, limited

Each Unit Includes: 1 set MP20 Microprobes, 1 set common test leads, 1 set mini-clip leads, power cord, and instruction manual; BNC cables not included

Ordering Information

Order #	Mfg #	Description	Price
MP99-0083	Tracker 200	Tracker 200 Component Tester	



Tracker™ 200

The Advantage of Tracker Technology

The Huntron Tracker 200 provides advanced troubleshooting capabilities to simplify testing newer technology components such as CMOS and MOS circuits. Its built-in pulse generator lets you thoroughly troubleshoot gate-fired devices such as SCRs, TRIACs and optocouplers. By energizing the gate, you can test a component in an active mode.

Use the Tracker 200 while the power to the circuitry you're testing is turned off to avoid an accidental short that could cause further damage. It allows you to analyze the overall health of a solid-state component, which makes it perfect for finding leakage or substrate damage that has brought a system or PCB down prematurely