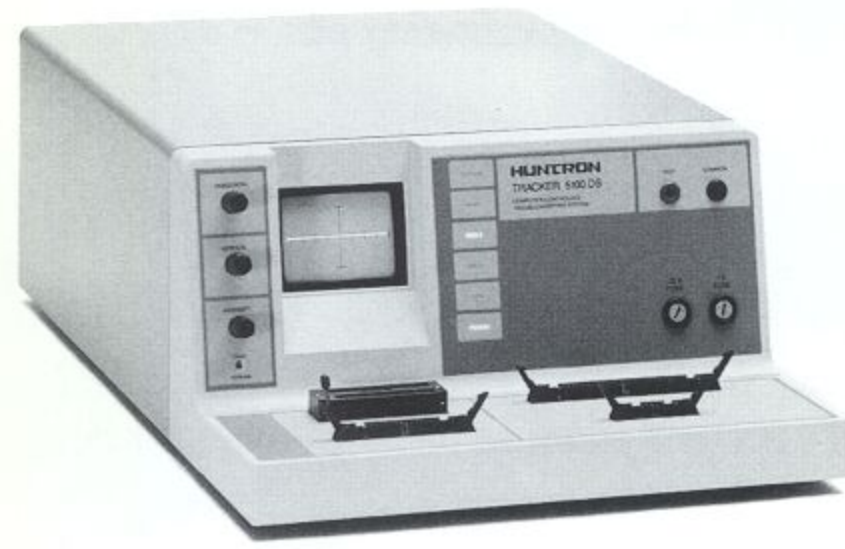
ROBOTIC TEST SYSTEMS
TRACKER 5100DS

Harness the efficiency of digital storage

- ***Windows or DOS-based interface for ease of use***
- ***Computer "learns" and stores component "signatures" for later comparison and testing***
- ***Virtually unlimited digital storage means you always have signature data on hand***



Connected to a PC, the Tracker 5100DS offers digital storage, so you don't forget what a signature looks like. You can share data with other technicians equipped with Huntron tools, for extremely efficient repair facility operations. The 5100DS digitizes the analog signature, and the computer reads, compares and stores the information. Once you've learned a known-good board there is no need to keep it on hand. The 5100DS gives you the flexibility to economically create test routines for low volumes and wide varieties of circuit boards.

SPECIFICATIONS

Test Signal

Waveform	Sine Wave (normal mode) Triangle Wave (for calibration/maintenance only)
Frequency	200 Hz ±1 Hz

Unless otherwise noted, these specifications apply over the operating temperature range of +15° C to +30° C.

Open Circuit Voltage

Range	Nominal[1]	Triangle Wave[2]	Sine Wave[2]
High	60 Volts peak	34.32 Volts RMS	42.04 Volts RMS
Medium 2	20 Volts peak	11.49 Volts RMS	14.08 Volts RMS
Medium 1	15 Volts peak	8.64 Volts RMS	10.59 Volts RMS
Low	10 Volts peak	5.76 Volts RMS	7.06 Volts RMS

[1] *The peak voltage is the same for both waveforms. The nominal data represents design values with an open circuit on the front panel TEST jack.*
[2] *These RMS voltages take into account the load on the TEST jack caused by a digital multimeter with 10MΩ input impedance.*

Short Circuit Current

Range	Triangle Wave	Sine Wave
High	0.465 mA RMS	0.570 mA RMS
Medium 2	0.432 mA RMS	0.529 mA RMS
Medium 1	6.96 mA RMS	8.54 mA RMS
Low	108.8 mA RMS	132.3 mA RMS

General Specifications

Overload Protection (front panel replaceable)	Signal Fuse	¼-Amp AGC Protects TEST Line
	Common Fuse	1-Amp AGC Protects COMMON Line
Discrete Components	TEST and COMMON front panel jacks provided for use with probes	
Multiple Pin Devices	Test Pins	64 (maximum)
	Common Pins	64 (maximum)
Display	Type	Monochrome CRT
	Size	2.8 in (7.0 cm) diagonal
	Acceleration Potential	1200 V DC ±20 V DC (regulated)
Test Connectors	64-, 40- and 20- pin IDC connectors (for DIP clip cables) 40-pin ZIF socket (for individual component testing)	
Interface	GPIB (IEEE-488)	
Dimensions	20.3 in L x 12.0 in W x 6.3 in H (51 cm L x 31 cm W x 16 cm H)	
Weight	16.5 lb (7.5 kg)	
Operating Temperature	+59° F to +86° F (+15° C to +30° C)	
Storage Temperature	-58° F to +140° F (-50° C to +60° C)	

Note: All values are ±1%, except Low range ±5%.

Ordering Information

The Tracker 5100DS is sold with operating software, manuals, tutorial board, GPIB board (for PC), 2-meter GPIB cable, DIP clip cables, 8-, 14-, 16-, 18-, 20-, 22-, 28- and 40-pin DIP clips and Front End Adapter Kit. Complete Tracker 5100DS turnkey systems, including a dedicated PC and all the necessary software and accessories, are also available.