SPECIALIZED PRODUCTS COMPANY

Fall '95

Data-Tracker
The Professional Breakout Box

Our best selling breakout box, the DT-5 Data-Tracker, is in a class all its own. This premier breakout box, comprehensive interface module and complete cable tester was designed to be the only RS-232 tester you will ever need for most applications. Its simple, straight-forward design and ease of use combine with many outstanding features to make it the favorite among veteran engineers and novice technicians.

As a breakout box, only the Data-Tracker allows you to see both high and low signals as well as transmitting data or no signal at all. All four signals are shown simultaneously without patching on all 50 possible lines by means of 100 high-efficiency LEDs, 50 red and 50 green. Its passive design draws power from the interface at a rate of only 2 mA per LED. With the Data-Tracker you can easily see if a line is HIGH (+6 to +25 V, red LED), HIGH (+3 to +6 V, dim red LED), LOW (-6 to -25 V, green LED), LOW (-3 to -6 V, dim green LED) or OFF (-3 to +3, both LEDs off).

As a custom interface, the DT-5 is specially designed to allow custom interfacing. Utilizing a combination of 54 gold-plated test points, 30 clearly marked slide switches and supplied mini clip leads, it can be used as an interface device for solving RS-232 compatibility problems quickly.

A supplied internal 9-volt battery allows the DT-5 to be used as a **cable tester**. By simply plugging both ends of an unknown cable into the DT-5, flipping two slide switches and attaching one clip lead (to connect the battery), it will completely show how the cable is configured. All straight-through connections, all cross connections (handshakes), all short and/or open circuits, even all single-sided connections are plainly visible. It will also identify bidirectional cables and locate intermittents. With the optional CTA adapter, it can even test cables from just one end.

The DT-5 is supplied with two 4-foot extension cables, four mini clip leads, a very complete instruction manual/interfacing guide and a deluxe padded carrying case. Several optional adapters are described below to make the DT-5 even more useful and versatile.

400X180 *DT-5 Data-Tracker* ....*1-2*, **$239.00 ea.;** *3-up*, **$215.00 ea.**

DT-5 Options

A. PT-1 Pulse-Tracker is a passively-powered RS-232 pulse trap capable of detecting any pulse or data activity on any two signal lines simultaneously.

400X275 *PT-1 Pulse-Tracker* ....*1-11*, **$49.00 ea.;** *12-up*, **$45.00 ea.**

B. CTA Cable-Test Adapter utilizes a unique diode matrix which loops test signals to and from the Data-Tracker for single-ended cable testing.

400X050 *CTA Cable-Test Adapter* ......*1-11*, **$30.00 ea.;** *12-up*, **$27.00 ea.**

Blue Box 100
100-LED Breakout Box/Cable Tester

The line-powered Blue Box 100 breakout box and cable tester is a compact, hand-held, full 100-LED test set. It accesses and monitors all 25 conductors of RS-232-C, EIA-232-D and CCITT V.24 interfaces. One hundred red and green LEDs monitor and display high, low, off and signal activity conditions for each of the 25 conductors on both the DTE and DCE sides of the interface.

A unique feature of the Model 100 is a special set of eight DIP switches that provides control of often used signals. This eliminates the need for patch cables for crossing TD and RD, isolating signal grounds and forcing RTS, CTS, DCD and DTRs signal to an on condition. Two provided cables have 25-pin male and female connectors to connect to the appropriate DTE and DCE. Other features include three separate loads that can be used to stress any marginal signal by adding loads or to provide termination where required and cable testing.

The Blue Box 100 can test any 25-pin cable for shorted leads, open leads and mis-wires. An optional Remote Cable Test Adapter allows any installed cable to be tested without both ends being in the same location. This unique adapter can detect opens, shorts and even null modem cables from only one end of the cable.

Model 100 comes packaged in a durable high-impact plastic case that measures only 5.5" x 4" x 1.75" and weighs just 13 ounces. It is supplied with two 9-volt long-life alkaline batteries (used for cable testing and switching on and off of signals only), miniature patch cables and a complete guide to operations.

420X400 *Blue Box 100* ....*1-5*, **$230.00 ea.;** *6-up*, **$215.00 ea.**
420X410 *Optional Cable Test Adapter* ....**35.00 ea.**

BREAKOUT BOXES