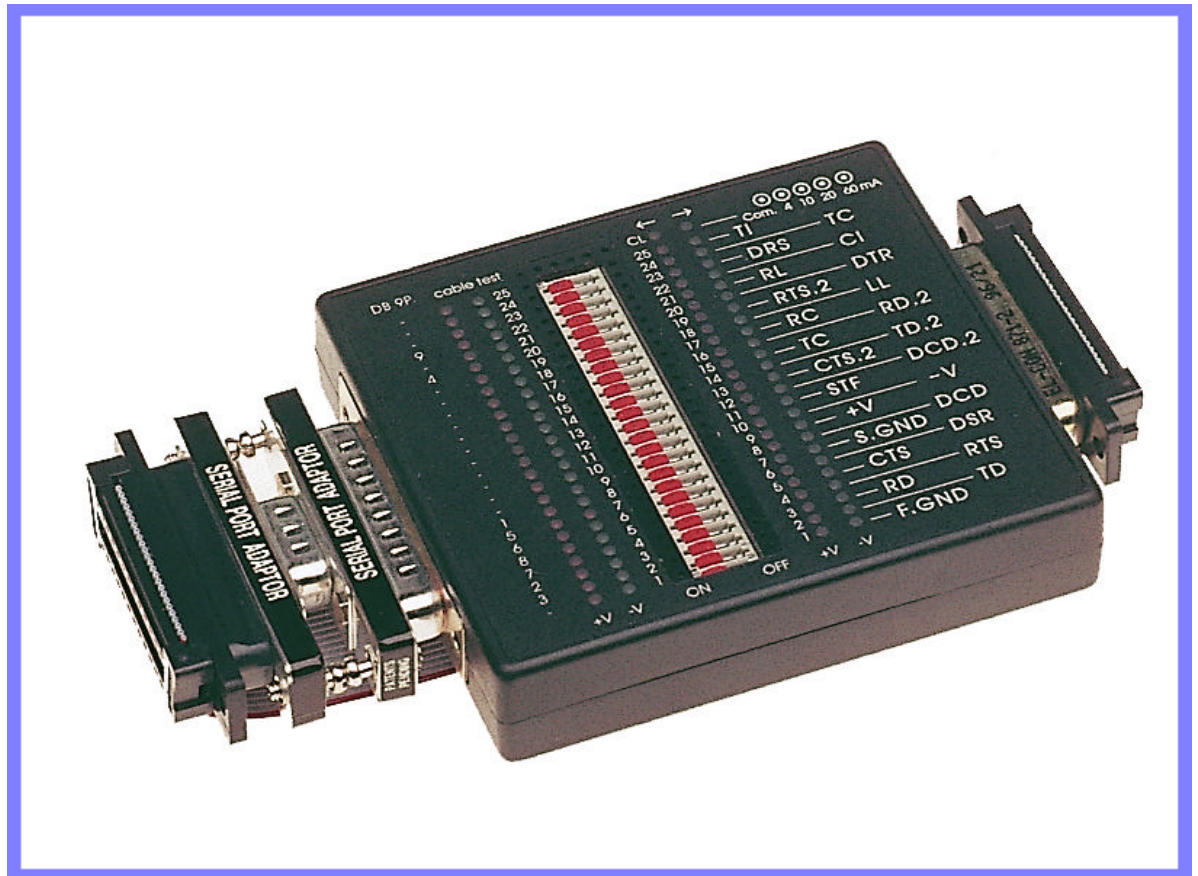


# COMTEST 100C



## **A COMPLETE « 100 LED » RS232 INTERFACE TROUBLE SHOOTER TESTING BOTH DB25 AND DB9 POLE SERIAL COMMUNICATION.**

Easily carried around, a time and trouble-saving tool for engineers, computer salesman and those who install, repair and use RS-232 communication equipment. The Comtest was constructed by field service engineers and famous for its convenience in use and reliability. The Comtest 100C can test, and/or convert DB9 to DB25 serial communication, necessary for those working with portable computers.

### TECHNICAL INFORMATION :

- Totally 102 high efficiency LEDs.
- Breaks and redirects all 25 lines.
- Four-state monitor on all signal lines on both DTE and DCE.
- Two DB9/25 pole adaptors, conversion table on main unit.
- Full cable test function and Ground Potential difference test.
- Four level bi-directional Current Loop test (4,10,20 and 60 mA).
- Jumper cable set and detachable 12 inch ribbon cable.
- Easy operation, lightweight and compact.
- English user manual

The Comtest 100C is the result of many years experience in designing and incorporating customer's requests. It offers more features than the many times bigger products from our competitors. To our knowledge the only Breakout Box with integrated DB9/25 adaptation, Current Loop and Ground Potential Difference test.

The 100 Compact uses high bright LED's, the typical load is only 1.2 mA per monitor. It contains a 25 pole dual-in-line switch with DTE and DCE interface sockets on both sides of the breakout panel. It allows breaking and crosshatching all 25 lines by means of the switches and the jumper cables.

The Current Loop circuits is able to test most of the Short Haul Modems used to extend communication distance (only 50 Ft for RS232). The Ground Potential Difference test shows if Signal Ground of the both connected devices are of the same «earth potential» (a must for a successful data communication).

Front and Back panel provide easy to read instructions. The back panel carries a guide describing all signals with pin number and description. All contacts are gold plated to ensure superior electrical contact.

The LEDs are mounted, isolated from each other, behind the panel. In contrast to the black panel, weak and high speed signals are easier to see, no « Christmas tree » effect like on the Breakout Boxes with dazzling LEDs and a white background.

**The Comtest 100 Compact comes complete with two DB 9/25 adapters, 30 cm detachable ribbon cable, jumper cables, 9V battery clip, user manual and a small pouch for transport.**



Back panel

### Technical information :

Signal indication :

Red LED shows High signal level > +3V

Green LED shows Low signal level < -3V....

Breakout system :

25 switches, 50 probe point

GPD circuit :

One of the LED number 7 will light if the voltage exceeds 2 volt.

Current Loop circuit :

Tests for 4,10,20 & 60 mA , and shows direction

Cable test :

Tests all lines in the DB25 connection.

Red LEDs # 7 show when signal ground connection in the cable is broken .

Dimension : 188 x 105 x 25 mm

Weight : 230 grams

**For further information, please contact :**

Specifications are subject to change without notice.

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