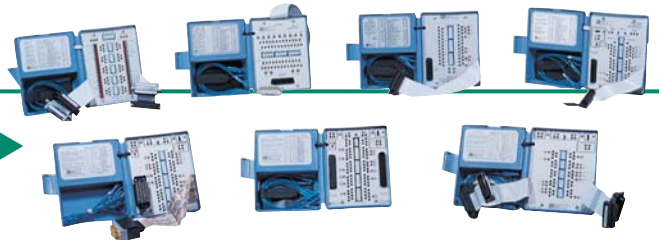


IDS Breakout Boxes/Analog Test Sets/Bert Tester

- Lifetime Warranties
- Batteries Included
- Small Size: 5.3 x 4.2 x 1.9" LWD, Under 1 Pound

BB Family ▶



Specifications and Ordering Information

Mfg#	BB100	M62BP	M62LP	M61	M60	BBV.35	BB449	BB530
Interface:			RS-232-C			V.35	RS-449	EIA-530
Max Data Rate:			256 kbps				3 Mbps	
Lines per Interface:			25			34	37	25
Signals Monitored:	All 25	11			12		13	All 13
Spare Monitor:	Not Needed			Yes				Not Needed
LEDs per Signal:		Red, Green		Tristate	Red		Red, Green	
High-Speed Pulse Traps:	No	1 Pos, 1 Neg		No			2 SE, 1 Bal	
Breakout Switches:		25		24		34	37	25
Test Points:		50			49	68	74	50
Stacking Jumpers:		5			5	10	10	10
Connectors (TO DCE):	DB25 (M,F)		DB25 (M)			34-Pin (M)	DB37 (M)	DB25 (M,F)
Connectors (TO DCE):	DB25 (M,F)		DB25 (F)			34-Pin (F)	DB37 (F)	DB25 (M,F)
Attached Cable(s):	(TO DTE/DCE)		(TO DCE)			(TO DCE)	SEPARATE	(TO DTE/DCE)
TD, RD Cross Switch:	Yes				No			
Test Voltages:		Yes		No			Yes	
Terminating Resistors:		3K ohm (3)		No		100, 3K ohm (2)	120 ohm (2)	
Order #	MPBB100	MPM62BP	MPM62LP	MPM61	MPM60	MPBBV.35	MPBB449	MPBB530
Price:								

Model BB100 also includes: Switches for forcing RTS, CTS, DCD, and DTR signals to an on or off condition, an optional remote test adapter, and the unit can also test printer cables.

Model BBV.35 includes: a carrying case.
Model 62LP is line-powered.

Analog Test Sets

- Small, Accurate, Battery-Powered
- Test Teased and Dial-Up Telephone Lines
- Three-Year Warranty



▲ M91/M93

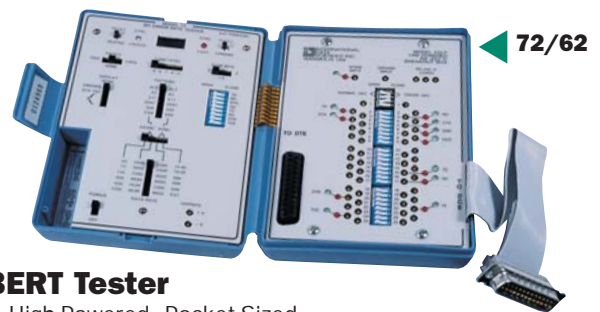
M93 meets AT&T 41009 and IEEE 743-1984 specs for testing U.S. telephone lines. Transmitter generates pure, jitter-free user-selected tones from 250 to 4000 Hz with a 1 Hz resolution and 0.01% accuracy. Output levels selectable from +7 dBm to -16 dBm in 1 dBm steps. Five user-specified and switch selectable tones and levels are stored in non-volatile memory. A single frequency (SF) skip feature skips Tx tones to prevent activation of network loopback equipment. Features repeating 250 to 4000 Hz sweep, 3-tone gain/slope test, and "quiet" termination. Measures Rx signal amplitudes from +12 to -70 dBm with 0.1 dBm resolution. Rx filters include 3 kHz flat, C-Msg, and 1010 Hz notch. Push-to-talk feature allows 2-way voice communications over line under test. Speaker with volume control monitors Rx signals and push-to-talk voice. Battery provides power for up to 9 hours of continuous operation.

Dial-up Test Option allows half-duplex testing of 2-wire, dial-up telephone lines. Includes RJ45-to-Y adapter and Bantam (M)-to-RJ45 (M) Adapter.

M91 meets AT&T 41009 and IEEE 743-1984 specs for testing telephone lines. Tests 2- or 4-wire leased lines. Five fixed frequencies: 404, 1004, 2804, 3804, and 2713 Hz allow the standard 3-tone test to be performed. Verify line continuity, channel loss, and bridge/modem transmit levels. Transmits and receives. Four-digit LCD displays Rx levels in dBm. Switch selectable 600 or 30,000 ohm impedance.

Ordering Information

Order #	Mfg #	Description	Price	Order #	Mfg #	Description	Price
MPM93	M93	Analog Test Set		MPM91	M91	Analog Test Set	
MPM93R	M93R	Rechargeable Analog Test Set		MPM91R	M91R	Rechargeable Analog Test Set	
MPDTO	DTO	Dial-Up Test Option		MP72/62	72/62	BERT Tester	



◀ 72/62

BERT Tester

- High-Powered, Pocket-Sized
- Test Networks Up to 72 kbps
- Three-Year Warranty

Model 72/62 Bit Error Rate Tester is capable of testing synchronous data links to 72 kbps and asynchronous data links to 38.4 kbps. It performs Bit Error Test, Percentage Error Free Seconds Test, and counts both positive and negative transitions on any interface lead. It generates FOX messages in ASCII, BAUDOT and IPARS. Loss of pattern synchronization is quickly detected and resynchronization is automatically established.

A full-featured, line-powered Model 62LP breakout box (see chart above) is provided on the right side of the unit. The 2.5 lb unit measures 8 x 5 x 2.5" including case and adapter.