

DLM200

THE COMMAND KEYS

ANSWERBACK

Drops you into answerback mode.

AUTO TD CONFIG, AUTO RD CONFIG

The DLM200 will analyze the TD (or RD) signal and automatically set itself to match its parameters.

BERT/PERFORMANCE TESTING

Bit Error Rate Testing (BERT)—transmits a test pattern through a DCE and back to the DLM200. The DLM200 compares the incoming data to the original string, counts and reports errors and trip time.

CLEAR BUFFER

Deletes all data in the buffers.

EDIT MODEM CONTROL SIGNAL MASKS

Create a mask to match a set of modem control signals. Used to start or stop the timer or trigger.

EDIT STRING

Drops you into a line editor. From this line editor you can create one or two 80-byte ASCII strings by typing in bytes from the keyboard.

END

Moves the cursor to the end of the screen or buffer.

EVENTS & TIME STAMP

Keep a log of errors and triggers.

F1, F2, F3, F4, ↑, ↓, ←, →, HOME, PAGE DOWN, PAGE UP

All of the F-keys and the cursor-control keys are programmed to serve different functions depending on what screen or menu is on the display.

FORCE CAPTURE

Forcing synchronization, forces the DLM200 to begin capturing all data. This is useful when the synchronous character is unknown or it is not known if a clock signal is present on pins 15 and 17. All bits will be captured.

GOTO LOCATION

Moves cursor to a particular buffer location. For example, type in 6 if you would like the cursor to be placed on the sixth character in the buffer.

HELP

Offers assistance on a wide variety of topics.

LOAD CONFIG1, CONFIG2, CONFIG3

The DLM200 allows you to save three sets of system communication parameters.

MENU

MENU toggles between the View Mode and the Configure Menu.

OUTPUT SERIAL

Transmit any pattern out pin two on the right male connector.

POWER ON

This key turns the DLM200 on.

PRINT PARALLEL

Transmits any pattern out the parallel printer port.

PULSE CAPTURE

Collects changes to any modem control signals.

RESET/SHUTDOWN

Returns to View Mode or shuts unit off.

RESPONSE MONITOR

Monitor human or machine response time by using the TIMER.

SAVE CONFIG

The DLM200 allows you to save up to four sets of system parameters for quick setup later.

SEARCH RD, SEARCH TD

Immediately searches contents of the RD (or TD) capture buffer, looking for a match of string.

SEND BREAK

Transmits a break character (Control Y).

SET CLOCK

Set the internal clock on the DLM200.

SHIFT ONE BIT RIGHT

Shifts all data in the capture buffer one bit to the right. Useful in conjunction with FORCE CAPTURE.

SET TRIGGER CAPTURE

Begins or terminates data collection.

START/STOP

Use this button to begin and end many activities on the DLM200.

STATUS

There are four separate status screens that provide information about the data in the buffer.

SUPPRESS CAPTURE

Suppress capture of data on one or both lines.

TERMINAL EMULATION

Makes DLM200 function just like a terminal.

TEXT/HEX

Toggles between displaying data in the current mode (ASCII, BAUDOT etc) and hex code.

TIME

Displays current time and date.

TIME EVENTS

Used to time events.

COMMUNICATION OPTIONS

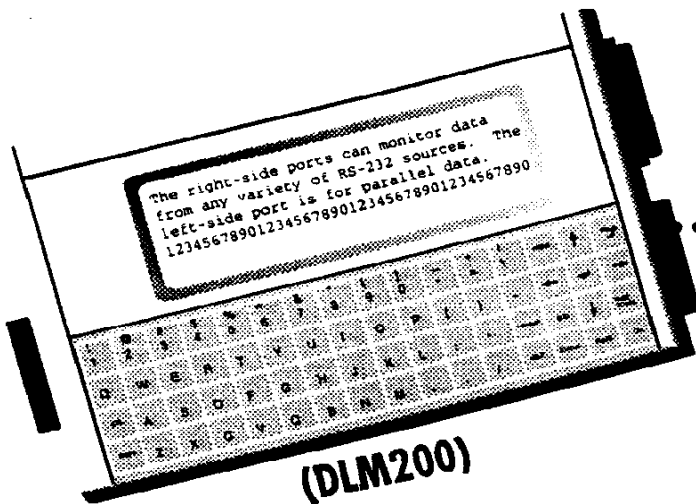
BAUD RATE	64000*	14400	1243
	56000*	9600	1200
	48000*	4800	600
	57600	2400	300
	38400	2000	150
	19200	1800	
	*Sync only		
STOP BITS	1, 1.5, 2		
DATA BITS	5, 6, 7, 8		
PARITY	Even, None, Odd		
MODE	Async, Mono Sync, BSC (Bisync), SDLC, Isochronous		
CODE	ASCII, EBCDIC, IPARS, BAUDOT		
SYNC CHAR 1	(User-defined, default 16)		
SYNC CHAR 2	(User-defined, default 16)		
SDLC NODE	All, Node numbers		
DATA ENCODING	NRZ, NRZI, FMO, FM1		
IG MUL SYN CHAR	Yes, No		
DROP SYNC RTS/CD	Yes, No		
DROP SYNC CHAR	None, (User-defined)		
LOG EVENTS	No, 1Fill, Cont.		
STATUS MESSAGES	Normal, Long, None, Short		
ERROR MESSAGES	Fatal, Warn, None		
AUTO OFF	(User-defined—minutes)		
DISPLAY MODE	Compressed, Expanded		
BUFFER	One fill, Continuous		
EXCLUDE	Off, Control Data, Text Data		
START TXT CHAR	(User-defined)		
END TXT CHAR	(User-defined)		
REMOTE	Off, On		
REMOTE BAUD	19200, 9600, 4800, 2400, 1200		
INVERT BITS	Yes, No		
SDLC STATUS	Yes, No		

Serial Test Product Specification Chart

	DLM200
KEYBOARD LAYOUT	64 keys. Full Qwerty + directional keypad
LCD DISPLAY LAYOUT	8 Rows Of 30/40 Characters
ONLINE HELP	Yes (Printable)
REMOTE CONTROL	Complete Real Time Monitoring Testing Remote ly
PROTOCOLS	Async, Sync, Monosync, Bsc, Isochronous, X.25 level 2
AUTO CONFIGURATION	Protocol, Data Rate, Framing, Parity (Automatic on error)
DATA RATES	Async: 75, 110, 150, 300, 600, 1200, 1243, 1800, 2k, 2.4k, 4.8k, 9.6k, 19.2k, 38.4k, 57.6k Sync: 75..64k
DATA DISPLAY CODES	ASCII, HEX, EBCDIC, IPARS, BAUDOT
CHARACTER FRAMING	5, 6, 7, 8
PARITY	Odd, Even, None
NV RAMSIZE	128-256k
SCROLL DISPLAY AT USER SELECT SPEEDS DURING REAL TIME CAPT	Yes
DISPLAY MODES	Compressed, Expanded
GOTO LOCATION	Yes
INTERFACE SIGNALS CAPTURED STORED & DISPLAYED	DSR, RTS, CTS, DCD, RI, DTR
DATA ENCODING	NRZ, NRZI, FM0, FM1
USER-SELECTED TRANSMISSION	Txd/Rxd Buffer, User Defined Strings, Ascii, Hex 0-Ff 511 Bert, Space, Mark, Alternating Bits, Fox1/2
CONNECTORS	3 25 Pin Sub-D
TRIGGER CAPABILITIES	Start/Stop Capture. Auto Retrigger(Snap)
TRIGGER OPTIONS	Td/Rd: String Data, Any Data, Interface Signal Pattern
PROMPT/MENU DRIVEN SETUP	Yes
BIT ERROR RATE TESTS	Yes + Performance
PERFORMANCE & RESPONSE TIME	Yes
STOP BITS	1, 1.5, 2
STATUS MESSAGES	Normal, Long, Short, Off
ERROR MESSAGES	Fatal, Warn, Autoconfigure, Off
EXTRAS IN ADDITION TO WALL TRANSFORMER	Zippered Case, 3' Cable, Break Out Box

Solve Serial Communications problems with a quick, lite solution....

BENEDICT COMPUTER serial monitors are the smallest and lightest serial testers made, just the thing for people who need portability, plus they offer the longest battery life. When you need to see serial data, the answer is at your fingertips!



(DLM200)

These products do what big heavy test equipment does for less money in a smaller package.

You can easily see exactly what each computer device is saying right on an 8 line display. See the characters flowing in either direction along with interface signals. Up to 40,000 characters in both directions.

Want more?

TEST PRINTERS/TERMINAL devices by serving as a character or pattern generator with only 2 keystrokes.

Determine baud rate and framing with one keystroke

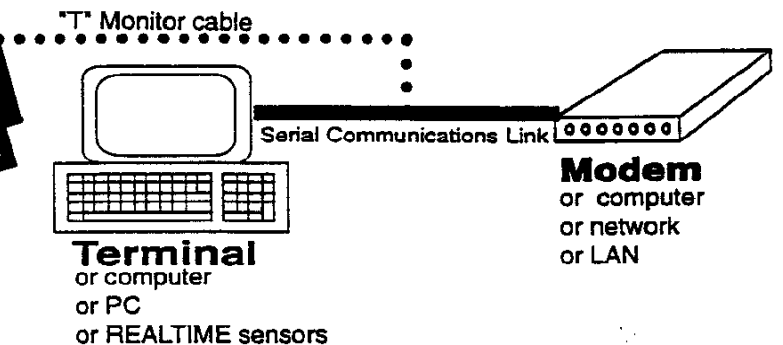
within 15 characters.

Start and/or Stop capture on occurrence of a string.

Determine actual speed of transmission of data through any circuit with timed BERT test.

Cause failures on digital (DDS) circuits when traditional TELCO tests will not detect errors.

Call us to find new ways BENEDICT Test equipment can save you time with your specific applications!



- DLM100 Async monitor tester
- DLM150 Sync/async monitor/test/timer
- DLM200 Sync/async monitor/test/timer/protocol
- DLM200 Options:
 - V.35 /RS530 interface
 - 128K additional RAM
- BOB100 100 LED Industrial BREAK OUT BOX
- MC232 V.35/RS530/RS422 to RS232 converter