

1.3 BT10 SPECIFICATIONS.

1.3.1 INPUT

Frequency: 1544000Hz +/- 200 Hz
Line Codes: AMI or B8ZS
Impedance:
Term: 100 Ohms
Bridge: Greater than 1000 Ohms
Level: 0.1 Volts to 3 Volts peak to base
into 100 Ohms. Automatic threshold
adjustment for operation through
monitor jack at DSX.

1.3.2 OUTPUT

Internal Oscillator Frequency:
1544000Hz +/- 50 Hz
Line Codes: AMI or B8ZS
Pulse Shape: Complies with AT&T Pub 62411 when
terminated into 100 Ohms and 0 DBm
line build out.

Clock Source:

Internal Clock
Stratum Clock
Recovered Clock

Line Buildout:

7.5dB,

0, 3.5dB,
11dB, or 15dB selectable

1.3.3 GENERATED SIGNALS

Test Patterns: Prog. Codes: Variable 24-bit
pattern/code generator
QRSS 2²⁰-1 with 15 zero suppression
Loop Codes:
Loop Up Unframed, 10000
Loop Down Unframed, 100
Keep Alive
Signal Unframed, all 1's

1.3.4 ERROR INJECTION

BPV's: Single, 12/sec Continuous
Logic Errors: Single, 22/sec Continuous

1.3.5 TEST INTERVAL:

Selectable 10⁶, 10⁷, 10⁸, 10⁹,
Continuous or programmable from 1
minute to 999 hours in 1 minute
intervals.

1.3.6 VOLTMETER

Level: 0.1 Volts to 4.0 Volts peak to base
+/- 0.3 Volts
Frequency: 1544000Hz +/- 500 Hz

- 1.3.7 VF OUTPUT
 Impedance: 600 Ohms, balanced
 Level: 0 dBm
 Audio Monitor: Monitors selected channel of far end, near end or both simultaneously.
 Speaker: Front panel mounted
- 1.3.8 ASCII TERMINAL INTERFACE
 Baud Rate: 1200 Baud
 Interface: DB25 RS-232
- 1.3.9 MODEM (BUILT-IN)
 Baud Rate: 1200 Baud
 Interface: RJ11
- 1.3.10 SERIAL PRINTER INTERFACE
 Baud Rate: 1200 Baud
 Interface: DB9
- 1.3.11 REPEATER CURRENT SOURCE
 Voltage: 12VDC Maximum
 Current: 60mA, 100mA, and 140mA switch selectable
- 1.3.12 CONTROLS
 Display Keys: Menu, Enter, Cursor
 Time/Timer - Start/Hour, Stop/Min
 Error Inject
 Volume: Up, Down
 Channel Select: Side A, Side B
 Transmit Pattern
 Input Selection
- 1.3.13 CONNECTORS
 Transmit & Receive (Side A, Side B):
 WECO 310 Jack
 Bantam Jack
 VF out: WECO 310 Jack
 Bantam Jack
- 1.3.14 DISPLAY
 (1) LCD 4x40 (with back light) for menus and test results
 (4) 7-segment LED for channel indication
- 1.3.15 POWER
 External: 110V/60Hz, 2 amps maximum
 Internal (optional): 8 volt, 5Amp-Hour, Gel cell battery

1.3.16 ENVIRONMENTAL
 Temperature: 0 to 50 C (32 to 122 F) operating
 -15 to 50 C (5 to 122 f) storage
 Humidity: 10 to 90% non-condensing

1.3.17 WEIGHT AND DIMENSIONS
 Weight: 14 lbs. (6.35 Kg)
 Dimensions: 6.25" H x 14.5" W x 13.5" D
 (159mm H x 368mm W x 343mm D)

1.4 BT10 ACCESSORIES.

The DCM BT10 comes complete with the following accessories:

<u>QTY</u>	<u>DCM P/N</u>	<u>ITEM</u>
2	2170-0103-0102	Patch Cord, Bantam to Bantam, 6 ft.
2	2170-0103-0100	Patch Cord, WECO 310 to 310, 6 ft.
1	2170-0400-0101	AC Power Cord
1	6178-9000	Operating Manual
1	2400-0310-0100	Side Mounted Carrying Handle
1	1400-0500-0201	Plastic Front Panel Protector
1	1400-0510-0101	Storage Pouch

1.5 BT10 OPTIONS.

BP		Internal Battery Pack (4 lbs., 1.81Kg)
1	2170-0103-0103	Patch Cord, Bantam to Bantam, 20 ft.
1	2170-0103-0101	Patch Cord, WECO 310 to 310, 20 ft.
1	2170-0600-0100	RS-232 Cable, 6 ft.
1	2170-0600-0101	Printer Port Serial Cable, 6 ft.
1	1400-0000-0100	19-inch Rack Mount Kit
1	1400-0510-0100	Soft Carrying Case