



MT 5000 Multi-Test Specifications

ASYNCR

Speeds: 50 to 115,000 bps
Displays: Character Errors, Characters Received, Total Test Seconds and Errored Seconds
LEDS: Pattern Lock, Pattern Recovered, TXD, RXD, RTS, CTS, DSR, CD, and DTR
Patterns: 2⁹ (511), 2¹¹ (2047), Binary, Fox Test, Mark and Space
Loops: Self-Test
Interfaces: V.35, RS530, RS422 and RS232 Physical: DB 25 pin Female

SYNCR

Speeds: 1,200 to 50,000,000 bps
Displays: Bit Errors, Bit Error Rate, Test Secs, Errored Secs, Severely Errored Secs, Degraded Mins, Available, Unavailable, RX Freq, TX Freq, Bits Received, RTS Time, Round Trip Delay
LEDS: Pattern Lock, Pattern Recovered, Transmit Data, Receive Data, RTS (C), CTS, DSR, CD (I), DTR, TXC, RXC (S), and External TXC
Patterns: 2⁹ (511), 2¹¹ (2047), 2¹⁵, ITU 2¹⁵, QRSS, 2²⁰, ITU 2²⁰, 2²³, ITU 2²³, 1 of 8, 3 of 24, Alt, Mark, Space, Round Trip Delay and User 3 - 32
Loops: Self-Test and V.54
Interfaces: V.35/DB25, RS530/DB25, RS422/DB25, RS232/DB25, X.21/DB15 and HSSI/50 pin

DDSR

Speeds: 2,400 to 72,000 bps
Displays: Bit Errors, Bit Error Rate, Test Secs, Errored Secs, , Secondary Errors, Severely Errored Secs, Degraded Mins, Available, Unavailable, RX Freq, TX Freq, Bits, RX Level dB, Simplex Current, Round Trip Delay and RLOS Secs
LEDS: Pattern Lock, Pattern Recovered, CMI (IDLE), All 1s, All 0s, RLOS, OOF, OOS, CSU Loop, DSU Loop and V.54 Loop
Patterns: 2⁹ (511), 2¹¹ (2047), 2¹⁵, QRSS, 1 of 8, 3 of 24, Alt, Mark, Space, DDS1, DDS2, DDS3, DDS4, Round Trip Delay and User 3 - 32
Loops: Self-Test, CSU Loop, DSU Loop and V.54 Loop
Interfaces: Four wire, BiPolar Physical: RJ48S

T-1

Speed: 1,544,000 bps
Displays: Bit Errors, Bit Error Rate, Test Secs, Errored Secs, Severely Errored Secs, Degraded Mins, Available, Unavailable, RX Freq, TX Freq, Signalling Bits, Density Errs, Frame Errs, CRC Err, BPV Err, RX Level Volts & dB, Slips, Round Trip Delay
LEDS: Pattern Lock, Pattern Recovered, Frame Lock, AIS (Blue), RLOS, CRC Err, BPV, D4, ESF, AMI, B8ZS and Yellow
Patterns: 2⁹ (511), 2¹¹ (2047), 2¹⁵, ITU 2¹⁵, QRSS, 2²⁰, ITU 2²⁰, 2²³, ITU 2²³, 1 of 8, 3 of 24, T-1 DALY, T-1 DALY UF, 55 Octet, 55 Octet UF, Alt, Mark, Space, Digimwatt, User 3 - 32, Round Trip Delay, DDS OCU Loop, DDS CSU Loop and DDS DSU Loop
Loops: Self-Test, ATT Loop U/D, ANSI Loop U/D, ATT Payload, ANSI Payload, Smart Jack 1 & 2 (Framed & Unframed) and V.54
Interfaces: DS1 BiPolar, 110 Ohm, AMI/B8ZS Coding Physical: RJ48C and Dual Bantam

E-1

Speed: 2,048,000 bps
Displays: Bit Errors, Bit Error Rate, Test Secs, Errored Secs, Severely Errored Secs, Degraded Mins, Available, Unavailable, RX Freq, TX Freq, CRC Errs, BPV Errs Frame Errs and Clock Slips
LEDS: Pattern Lock, Pattern Recovered, Frame Lock, AIS (Blue), RLOS, CRC Err, BPV, DMFA and RRA
Patterns: 2⁹ (511), 2¹¹ (2047), 2¹⁵, ITU 2¹⁵, QRSS, 2²⁰, ITU 2²⁰, 2²³, ITU 2²³, 1 of 8, 3 of 24, Alt, Mark, Space, Digimwatt and User 3 - 32
Loops: Self-Test and V.54
Interfaces: G.703/704, 75 & 120 Ohm, HDB3 Coding Physical: Dual Bantam, Dual BNC and RJ48C

T-3

Speed: 44,736,000 bps
Displays: Bit Errors, Bit Error Rate, Test Secs, Errored Secs, Severely Errored Secs, Degraded Mins, Available, Unavailable, RX Freq, TX Freq, P -Bit Errs, C-Bit Errs, T3 & T2 Frame Errs, LCV Err, FEBE Err, Excessive 0s and LOS Secs
LEDS: Pattern Lock, Pattern Recovered, Frame Lock, AIS (Blue), RLOS, LOF, LCV, FEBE, Yellow, M13 and C-Bit
Patterns: 2⁹ (511), 2¹¹ (2047), 2¹⁵, ITU 2¹⁵, QRSS, 2²⁰, ITU 2²⁰, 2²³, ITU 2²³, 1111, IDLE 1100, AIS 1010, 0000, 1 of 8 and User 3 - 32
Loops: Self-Test and CSU
Interfaces: DS3 BiPolar, 75 Ohm Physical: Dual Mini WECO 560A

E-3

Speed: 34,368,000 bps
Displays: Bit Errors, Bit Error Rate, Test Secs, Errored Secs, Severely Errored Secs, Degraded Mins, Available, Unavailable, RX Freq, TX Freq, LCVs, LOS Secs and Frame Errs
LEDS: Pattern Lock, Pattern Recovered, Frame Lock, AIS (Blue), RLOS, LOF, BPV, and RAI
Patterns: 2⁹ (511), 2¹¹ (2047), 2¹⁵, ITU 2¹⁵, QRSS, 2²⁰, ITU 2²⁰, 2²³, ITU 2²³, 1 of 8, Alt, Mark, Space and User 3 - 32
Loops: Self-Test and LINE
Interfaces: G.703/751, 75 Ohm, HDB3 Coding Physical: Dual Mini WECO 560A

Mechanical: The Multi-Test measures 8.75" (22.2 cm) H x 7.5" (19.1 cm) W x 4" (10.2 cm) D and weighs 4.4 lbs (1.81 kg)

The Tester is supplied complete with all the interfaces listed.