

SPECIFICATIONS**FEATURES**

Display	Supertwist Liquid Crystal Display (LCD), 4 rows x 20 characters, backlit
User Interface	Menu and softkey driven, autoconfiguration and autotest modes
Interfaces	Up to five interfaces may be installed simultaneously: S/T, AMI, 2B1Q, P-Phone, POTS

PHYSICAL

Power	Rechargeable internal battery pack, AC adapter
Automatic Power-Off	Shut-off occurs after a user-programmable period of no activity, time and set of conditions
Battery Life	4-7 hours per charge, depending on the line interface selected
Weight	3 pounds
Handling	Dust and shock resistant

INDICATORS

Line Interface	Synchronization, activation, TEI assignment, data link establishment
Terminal Interface	Synchronization, activation
DSL Power	Sealing current ("U" interface, POTS, P-Phone), power sources 1 and 2 (U and S/T interfaces)
Tester Power	Low battery, battery charging

FUNCTIONS

CALL	Place and receive circuit-switched calls
STATUS	Display switch and terminal type, TEI assignment, layer 3 status, loopback status and channel assignment
TEST	Errored Seconds - monitoring and reporting line errors, error rate performance Loss Insertion - 0-15db at both the U and S/T interface; display loss, error rate and equivalent cable length; auto mode
CONFIG	Switch type, SPID, T termination, TEI, speed dial numbers and names, line ID numbers, automatic power-off conditions
SHIFT (SPECIAL)	NT1 emulation, volume adjustment, automatic line identification, backlight, autoconfiguration, speed dial, redial

AMI INTERFACE

Signal	AMI encoding, 160 KBPS (80 KHz), +10.7dBm, 2.45V peak
Impedance	120Ω AC, >10K DC
Loop Range	10 Kft of 26 AWG equalling 32dB of attenuation
Compatibility	AT&T 801-802-100, 5D5-900-311

S/T INTERFACE

Signal	ASI encoding, 192 KBPS (96 KHz), +750mV peak
Impedance	50Ω, 100Ω, Hi-z selectable
Loop Range	3 Kft equaling 6dB of attenuation
Compatibility	CCITT I.430, ANSI T.605, AT&T 801-802-100, 5D5-900-311 Northern Telecomm NIS S802-4

2B1Q INTERFACE

Signal	2B1Q encoding, 160 BPS (40 KHz), +14.0 dBm, 2.5V peak
Impedance	135Ω AC, >10K DC
Loop Range	18 Kft of 26 AWG equalling 42dB of attenuation
Compatibility	ANSI T.601 AT&T 801-802-100, 235-900-321 Northern Telecomm NIS S802-5

P-PHONE INTERFACE

Signal	Analog voice with 8KHz ASK carrier
Impedance	900 ohm AC, 6700 ohm DC
Loop Range	1230Ω with maximum of 24dB of attenuation
Compatibility	Northern Telecomm NIS S106

POTS INTERFACE

Signal	Analog voice with 300Hz-3KHz, DTMF/Pulse
Impedance	600Ω AC (talk), > 100K (monitor) AC 180Ω DC (talk), > 50K (monitor) DC
Loop Range	2000Ω maximum
Compatibility	Bellcore TR-TSY-000344, TR-TSY-000031