



Feature Matrix for CXR/Halcyon Test Sets

CXR/Halcyon Model Number:	704A-410	704A-430	704A-460	704A-PKG#2	756A-01	704A-NTS1	704A-NTS1/FAA
Analog, Signaling, Broadband & xDSL (TIMS) Features							
2-Wire Interface	x	x	x	x		x	x
4-Wire Interface	x	x	x	x		x	x
Term Z= 100, 135, 600, 900, 1200 Ohms; Bridged	x	x	x	x		x	x
Dial & Hold	x	x	x	x		x	x
Bantam and RJ-11 access jacks	x	x	x	x		x	x
TX Tone 50Hz – 1.5MHz	x	x	x	x		x	x
RX 50Hz – 1.5MHz, Measure Signal Level in dBm	x	x	x	x		x	x
3-Tone Slope, Program Sweep	x	x	x	x		x	x
Line Status Indicator LEDs & Speaker w/volume control	x	x	x	x		x	x
ADSL, HDSL, ISDN Insertion Loss Tones	x	x	x	x		x	x
Broadband Sweep	x	x	x	x		x	x
2713Hz Loopback Tone	x	x	x	x		x	x
Digital Volt/Ammeter	x	x	x	x		x	x
Broadband Noise Measurement / Impulse Noise Measurement	x	x	x	x		x	x
Filters: C- Mess, 3k, 15k, Prog, E (50kHz), F (HDSL), G (ADSL)	x	x	x	x		x	x
Load Coil Detect/Counter	x	x	x	x		x	x
23-Tone Automated Test (EDD, IMD, Gain Slope, IL, SNR, S/TD)	x	x	x	x		x	x
DTMF/MF Digit Analysis	x	x	x	x		x	x
Return Loss	x	x	x	x		x	x
105/110 Responder Test Mode	x	x	x	x		x	x
Signaling- DID, GS, LS, emulate CO or PBX		x	x	x		x	x
Measure signaling parms- Pre-Wink, Wink, Answer Delay		x	x	x		x	x
Measure Signaling parms- DTMF/MF Level, Twist, on/off timing		x	x	x		x	x
Caller ID Testing- Signal Level, Analysis, Frequency, Twist, Digits			x	x		x	x
Phase Jitter, Phase Hits, Gain Hits, Dropouts	Optional	Optional	Optional	Optional		Optional	x
E&M Signaling/ Ring Generator		Optional	Optional	Optional		Optional	x
Digital Data Service (DDS) Features							
4-Wire DDS Interface				x	x	x	x
DS0 Interface				x	x	x	x
OCU Interface				x	x	x	x
T1 Interface (Drop & Test)				x	x	x	x
Load Coil Detect/Counter				x	x	x	x
Sealing Current Indicator				x	x	x	x
Switched 56 Testing				x	x	x	x
Full DDS Loopback Commands (DS0-x, NIU, CSU)				x	x	x	x
BERT Pats: 2047, 511, SP1-5, All Ones, All Zeros, Byte Encoder				x	x	x	x
BURST-Mode BERT (Packet Testing)				x	x	x	x



Feature Matrix for CXR/Halcyon Test Sets

CXR/Halcyon Model Number:	704A-410	704A-430	704A-460	704A-PKG#2	756A-01	704A-NTS1	704A-NTS1/FAA
Frequency & Level Measurement				x	x	x	x
Data rates from 2.4kbps – 64kbps, Nx56/64				x	x	x	x
Built-in CSU/DSU				x	x	x	x
OCU Emulation w/Sealing Current (“Channel Bank in a box”)				x	x	x	x
DCE/DTE @ RS232/RS530, V.35, RS449				Optional	Optional	Optional	x
T1/FT1 Features							
Bantam & RJ48 Interfaces						x	x
2 RX- 1 TX- (1 Ref RX)						x	x
“At-a-Glance” Circuit analysis (LEDs for all critical parameters)						x	x
“Zero Touch” setup						x	x
Term, Monitor, Bridge Modes						x	x
LED Signal Power Level (and display mode as well)						x	x
BERT Pats: QRS, 2047, 2/23-1, 2/20-1, 2/15-1, 3:24, ALL 1’s						x	x
Pats, cont: ALL Zeros, 2n8, 1:7, 63, 511						x	x
Built-in CSU						x	x
1-Touch Signaling BITS display						x	x
SF/ESF/SL96 Framing (auto-framing for MON, Bridge Modes)						x	x
Unframed CSU Mode for CART Testing						x	x
AMI/B8ZS Line Coding						x	x
Fractional T1 Interface/Testing Capability						x	x
Full Loopback Commands including HDSL Elements (CSU, NIU,						x	x
Loopbacks, cont: V.54, HTU-C, HTU-R, HRE						x	x
HDSL Loopbacks for Adtran, Pairgain all pre-armed						x	x
Frequency and Level Measurement; Timing Slips Measurement						x	x
Full AUTO mode						x	x
Remote Control (PC GUI) Full control, scripted testing, store results						Optional	x
Included Accessories							
Padded Carry Case	x	x	x	x	x	x	x
Users Manual	x	x	x	x	x	x	x
Quick-Reference Guides	x	x	x	x	x	x	x
Rechargeable, 4-Hour Battery Operation	x	x	x	x	x	x	x
Battery Charger/Power Supply	x	x	x	x	x	x	x
2- Bantam-to Bantam Cables				x	x	x	x
2- Bantam-to-Alligator Cables	x	x	x	x		x	x
1- RJ48-to-RJ48 Cable (Straight Thru)				x	x	x	x
1- RJ48-to-Alligator Clip, Pins 1,2 & 7,8 (DDS)				x	x	x	x
1- AT&T Clock Cable (for Channel Bank OIU)				x	x	x	x
1- RJ48-to-Dual Bantam, Pins 1,2 & 4,5 (T1)						x	x



Feature Matrix for CXR/Halcyon Test Sets

NOTE- 704A-NTS1/FAA Model also includes:

- 1ea - CABL-25 - RS232/530 DTE, DB15HD M to DB25 M
- 1ea - CABL-26 - V.35 DTE, DB15HD Male to V.35 Male
- 1ea - CABL-28 - V.35 DCE, DB15HD Male to V.35 Female
- 1ea - CABL-40 - RS449 DTE, DB15HD Male to DB25 Male