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Phoenix 5575

Phoenix Microsystems 5575 T1 Micro-BERT Test Set

The Phoenix Model 5575 T1 Micro Bert is a full function T-carrier line tester designed for use on 1.544 Mbps T-carrier links. The removable top cover serves as the storage area for the interface cables. A two line by forty column LED display, 14 status/alarm LED indicators, and a 24-key keyboard with internal status LEDs on each key, provide the operator with a full function, easy to use tester, in a small, portable package.

Design Highlights:

- One button full testing with automatic line evaluation and setup
- Portable, handheld, battery powered
- Tests D4 framed, extended superframe, SLC(r)96 framing, or unframed links
- Direct connection to TelCo "T" interface
- CSU emulation mode
- Generates and receives 12 test patterns plus user defined pattern
- Network ALBO and LBO
- Complete self-test functions
- Operates from internal battery, line power using adapter, or local central office battery
- Real time clock (time, day, date)
- Full remote control RS-232 port
- Twenty column printer port via a second RS-232 port

Input Specifications:

Input Connectors: WEKO 310 jack and 15-pin, D-shell network interface connector.

Input Frequency: 1544000 Hz +/- 300 Hz

Line Codes: AMI or B8ZS (B8ZS is available in framed modes only.)

Input Impedance:

NIST, ISO, IEC, ANSI, NCSL, MIL-STD by www.raeservices.com



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Bridge: Greater than 1000 ohms

Term: 100 ohms +/- 5%

Monitor: 100 ohms +/- 5%

CSU: 100 ohms +/- 5%

Operating Range:

Bridge: +6 dbdsx to -20 dbdsx, Automatic Line Build Out (ALBO), compensates for cable loss

Term and CSU: +6 dbdsx to -20 dbdsx, Automatic Line Build Out (ALBO), compensates for cable loss

Monitor: +6 dbdsx to -6 dbdsx, ALBO provided with fixed +20 db amplifier to compensate to DSX monitor series impedance losses.

Transmit Mode: The transmitter is disabled and completely isolated from the output jacks in the Bridge and Monitor mode. This allows the 5575 to utilize the Tx jack as a secondary receiver to measure voltage, frequency, and loop timing of both sides of the span for in-service specifications.

Output Specifications:

Line Build Out (LBO): Switch selectable with 0, -7.5, and -15 db attenuation.

Output Connectors: Provided on WECO 310 jacks and 15-pin D-shell network interface connector.

Internal Oscillator Frequency: 1544000 Hz +/- 5 ppm

Line Codes: AMI or B8ZS

Pulse Shape: Complies with AT&T Pub. 62411 and CCITT Recommendation G.703 when terminated in 100 ohms and 0 db line build out selected.

Jitter: Complies with AT&T Pub. 62411

Front Panel Indicators Specifications:

Alarm Indicators: Frame Sync Loss, All Ones (Blue Alarm), Density (excess zeros and insufficient ones), and Yellow Alarm.

Status Indicators: Frequency Deviation, Line Level Fault, Not Loop Timed, Low Battery, Signal Present

Sync Indicators: Pattern sync, D4 frame sync, ESF sync, and SLC(r)96

Coding Indicators: AMI and B8ZS

Alarm Criteria Specifications:

Pattern Sync Loss: Programmable from 0-9999 bit errors in 0-9999 bits. Factory setting is 100 bit errors in 1000 or fewer bits.

NIST, ISO, IEC, ANSI, NCSL, MIL-STD by www.raeservices.com

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Frame Sync Loss:

- D4:** 2 out of 5 Ft. bits in error
- ESF:** 2 out of 5 Ft. bits in error
- SLC(r)96:** 2 out of 5 Ft. bits in error

Other Models Available:

- [Phoenix 5575A](#)
- [Phoenix 5575B](#)

Please [contact us](#) for more information on the Phoenix 5575

Agilent
E4437B



Yokogawa
WT1600B



Anritsu
MS2026A



Megger
DLRO-200-115



Tesq
NSG437



Solar
7054-1



Chroma
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