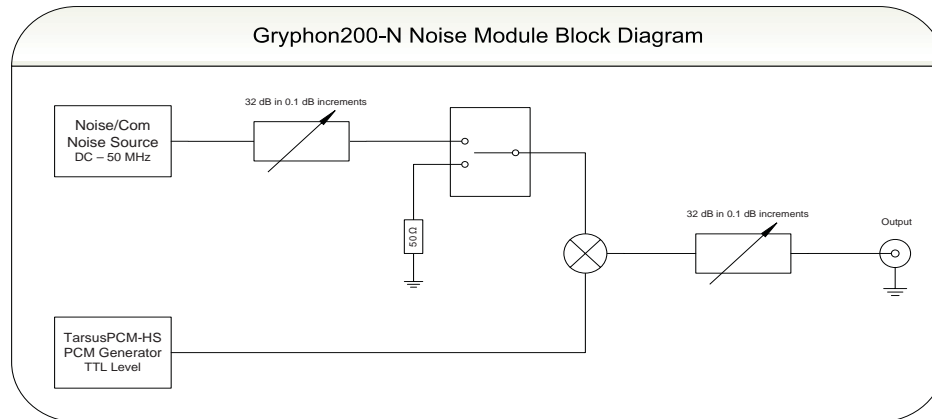


SPECIFICATIONS



Gryphon200 Series Data Link Test Set

Transmitter

PCM Generator

- Output Data Rate
Programmable from 1 bps to 33 Mbps NRZ (16.5 Mbp BiP)
- Output Code Types
All IRIG code types selectable (NRZ-L/M/S, BiP-L/M/S, RZ, RNRZ-L Forward and Reverse)
- Data Source
Selectable between prestored data patterns, programmable PCM simulator, or externally archived .tad file (accessed via USB)
- Data Encoding
Selectable convolutional encoding when PCM simulator used as data source

Noise Source

- Frequency
Calibrated out to 50 MHz
- Attenuation
Programmable from -32dB to 0dB with 0.1dB increments

Outputs

- Output types
TTL or Bipolar (Bipolar only with Noise)
- Output Level
Adjustable gain from 0.1 to 5 VPP, program selectable
- Output Offset
Adjustable offset from 0 to +/-5 VDC, program selectable
- Output Polarity
Normal or inverted, program selectable

Test Modes

- Noise Mode
Noise injected onto transmitter PCM stream, Bit Error Rate (BER) and Waterfall diagrams provided
- Jitter Mode
FM Jitter Frequency selectable from 0.1% to 3% of bit rate, Power adjustable from 0.1 VPP to 8 VPP, BER provided
- Link Latency Mode
Round trip link path delay measured
- ReSync Mode
Measurement of bits from loss of sync to reacquisition

Receiver

- Input Bit Rate
1 bps to 33 Mbps NRZ (16.5 Mbps BiP)
- Input Signals
Clock and Data, TTL or RS422
- Input Impedance
75Ω for TTL
- Measurements Provided
Bit Error Rate (on selected intervals)
Bit Error Count (accumulated)
Waterfall Diagram (Eb/NO actual vs. theoretical)
Received Bit Rate
Length of test (in bits and seconds)
Link Delay (in seconds)
Resync Delay (in bits)

System Specifications

- Processing
Single Board Processor with minimum 2 Gb Flash Drive
- Memory
1 GB minimum RAM
- Operating System
Custom Ulyssix operating system with TCP/IP, USB and RS232 Interfaces
- Display
240 x 64 Graphic LCD Display
- LEDs
Large front panel LEDs to indicate Sync, Signal, Noise, Updates
- Input
Integrated 24 button keypad
- Dimensions
2U rackmount 19" x 3.5" x 20"
- Ethernet
10/100 BaseT with TCP/IP
- Power
300 Watt ATX power supply, 100 - 240 VAC Full Range
- Temperature Range
Operating: 0°C to 50°C
Storage: -20°C to 60°C

Ordering Information

- Gryphon200
Basic system without Noise Module. All tests supported with the exception of Noise.
- Gryphon200-N
Complete system with Noise Module. All tests supported.

Specifications subject to change without notice.