GENERAL SPECIFICATIONS

RECEIVER OPERATION

Ports

2

Bus Frequency

12-14.5 kHz or 100 kHz (selectable)

Input Levels

+ 6.5 VDC to + 13.5 VDC (A to B)

Input Impedance

12.0 Kohms

Word Update

1 ms to 10 sec, update rate displayed as instantaneous, min or max value

Display Format

Engineering units with pre-stored scaling based on equipment IDs, hexadecimal (full or data field); binary (full or data field); user defined; graphic plots; or ASCII character

Maximum Words

256 per SDI per channel

Bus Activity Monitor

Monitors loss of individual words; sensitivity selectable

Real-time Download/Conversion

RS-232C or 12-bit DAC port

TRANSMITTER OPERATION

Ports

Single

Bus Frequency

12.5 kHz or 100 kHz

Output Levels

+ 10.0 VDC (A to B)

Output Impedance

75 ohms

Word Update

1 ms to 10 sec (selectable)

Burst Mode

01 to 99 burst output at selectable rate

Display Format

Engineering units with pre-stored scaling based on equipment IDs, hexadecimal (full or data field); binary (full or data field); user defined; or ASCII character

Maximum Words

128 per channel

Transmit Word Gap

4 bits

Dynamic Transmit

Repeat pattern of ramps and flat segments. Levels programmable between + full scale and segment times or 0 to 999.999 sec

BREAKPOINT OPERATION

Label Sequence

A, B, A or B, A then B, B then A

Data Conditions

EQ, NEQ, OR, GT, LT, /GT/, /LT/

Event Count

1 to 99 before break

History

Up to 24,540 words in a programmable window about the breakpoint; selectable time stamp

Trigger Pulse

5V, 0.02 ms

RECORD OPERATION

Channels

Up to 16 selectable labels

Sample Interval

1 ms to 10 sec (selectable)

Record Capacity

120 Kbytes (e.g., 8.5 hours of single label at 1/sec)

Playback Options

Graphic plots, data lists, DAC, RS-232C Bite Operation

BITE Formats

Compatible with distributed and centralized BITE concept used on 747-400, 737-300, MD-11, A320, A330, and A340 aircraft

Menu Display

Standard 14-line x 24-character menu with selectable menu choices

Simulation

Select NULL, DC1, DC2, or DC4 command outputs to simulate various flight phases

Maintenance Words

Displays 350/351 label maintenance bits. Bit status along with pre-stored text presented

Recording Feature

Save up to 240 BITE screens for later viewing or downloading

Reference

ARINC 429-15; Boeing labels for AVM, EIS, FSEU, EICAS, and FQIS

Power Requirements

110 or 220 VAC, 50-400 Hz AC adapter, internal NiCad battery

PHYSICAL CHARACTERISTICS

Weight

3.5 lbs. (1.6 kg)

Size

6.3" x 9.75" x 2" (16 cm x 24.75 cm x 5 cm)