Avionics

DT200 ARINC 429/CSDB DATABUS ANALYZER

AEROFLEX
A passion for performance.

Powerful capabilities for avionics maintenance

FEATURES

- CSDB capability for Collins ProLine Avionics
- Light weight, battery operated
- Manages multiple data words
- Clearly displays subfields
- Manipulates data with such features as FREEZE, SCROLL and CLEAR

Consider these additional features:

- Receives and displays data in hexadecimal, binary, or engineering units
- Transmits multiple words at selected rates
- Identifies failures with breakpoint trigger pulse and history features
- Converts digital data to DC
- General purpose recording mode for lab or flight test
- Presents data transients as graphic time plots
- Operates anywhere for up to 6 hours on rechargeable battery
- Easy setup with menu selections

The DATATRAC 200's advanced features will handle all your troubleshooting needs with a unit that conveniently supports two avionics databus standards, ARINC 429 and CSDB (Commercial Standard Digital Bus). Basic receive and transmit capabilities are extensive.

The DT200 has the ability to manage many data words, clearly display subfields, and manipulate data with such features as freeze, scroll and clear. Other features of the DT200 include dual operation in either ARINC 429 or CSDB modes, data display in hexadecimal, binary or engineering units, general purpose recording mode for lab or flight tests, operate up to 4-6 hours on a rechargeable battery.

The DT200's light weight provides for easy usage in either a bench or ramp environment.

For the very latest specifications visit **www.aeroflex.com**

GENERAL SPECIFICATIONS

ARINC 429 RECEIVE

Bus Frequency

12.5 or 100 KHz (selectable)

Input Levels

+ 6.5 VDC to 13.5 VDC (A to B)

Impedance

12.0 K Ohms

Display Format

Hexadecimal, binary, or engineering units

Maximum Labels

255 per SDI value

Breakpoint Conditions

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

Break History

85 words per label, 16 labels

Record Intervals

10 ms to 5 s (selectable)

Record Capacity

1-3 labels (34 min. for single label at 1/second)

Record Playback

Graphics plots, hex list, or DC output

ARINC 429 TRANSMIT

Bus Frequency

12.5 or 100 KHz (selectable)

Output Levels

+ 10.0 VDC (A to B)

Output Impedance

75 Ohms

Display Format

Hexadecimal

Maximum Labels

16

D/A Range

+ 5.0 VDC, 8-bits

D/A Scaling

100%, 50%, or 12.5% of digital word applied to full output range (full scale offset selection)

Trigger Pulse

+ 5 VDC, 0.5 ms

Burst Mode

1-99 burst output at selectable rate

CSDB RECEIVE

Bus Frequency

12.5 or 50 KHz (select-able)

Input Levels

+ 2.0 TO 6.0 VDC (A to B)

Impedance

8.0 K Ohms

Word Update

3 ms to 5 sec

Display Format

Hexadecimal, binary, or engineering units

Maximum Labels

16

Breakpoint Conditions

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

Break History

51 words

Record Intervals

10 ms to 5 sec. (selectable)

Record Capacity

2-3 words (20 minutes for 2 words at 1 per second)

Record Playback

Graphics plots, hex list, or DC output

CSDB TRANSMIT

Bus Frequency

12.5 or 50 KHz (selectable)

Output Levels

+ 3.0 - 5.0 VDC (A to B)

Output Impedance

100 Ohms

Display Format

Hexadecimal

Maximum Labels

16

D/A Range

+ 5.0 VDC, 8-bits

D/A Scaling

100%, 50%, or 12.5% of digital word applied to output range (full scale offset selection)

Trigger Pulse

+ 5 VDC, 0.5 ms

Burst Mode

1-99 burst output at selectable rate

PHYSICAL CHARACTERISTICS

Weight

7.5 lbs (3.4 kg)

Width

12.5" (31.75 cm)

Height

5.0" (12.7 cm)

Depth

11.6" (29.46 cm)

Power Requirements

7.0 Watts at 110 VAC/60 Hz 8.4 Watts at 28 VDC or internal battery

Display

1.7" x 6.0" LCD with 8 lines x 40 char. mode or 64 x 256 dot graphics mode. Front panel dimming control.

VERSIONS, OPTIONS AND ACCESSORIES

When ordering, please include the Order Number listed below:

Ordering Numbers	Description
985	DT200-00 ARINC 429/CSDB Databus Analyzer (specify 110 V or 220 V requirement)

STANDARD ACCESSORIES

Battery charger, Operations Manual

EXTENDED WARRANTY

84381	Extended standard warranty 36 months with scheduled calibration
84382	Extended standard warranty 60 months with-scheduled calibration

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AEROFLEX
A passion for performance.

Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.

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