

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
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DT200 ARINC 429/CSDB DATABUS ANALYZER

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.

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.

DT200 ARINC 429/CSDB DATABUS ANALYZER

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	Hexidecimal, binary, or engineering units
Maximum Labels	255 per SDI value
Breakpt. 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	Hexidecimal
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	Hexidecimal, binary, or engineering units
Maximum Labels	16
Breakpt. 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	$\pm 3.0 - 5.0$ VDC (A to B)
Output Impedance	100 Ohms
Display Format	Hexidecimal
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/ 60Hz 8.4 Watts at 28VDC or internal battery
Display	1.7" x 6.0" LCD with 8 line x 40 char. mode or 64 x 256 dot graphics mode. Front panel dimming control.

ORDERING INFORMATION

DT200

01-1400-00

Accessories included (specify requirement when ordering)

110V Charger	15-0009-20
OR	
220V Charger	15-0009-21



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