

Avionics

T1200B ARINC 429 CONTROL DISPLAY UNIT

AEROFLEX
A passion for performance.



The one test set that covers the entire spectrum of the avionics industry

- External 12 inch touch screen display allows main unit to be located away from operation
- PS-2 style mouse may be used with or without touch screen
- May be ordered with front or rear display connectors
- Easy-to-use menu selection of avionics test formats
- Test formats that follow specific OEM avionics CMM's
- Up to 10 words transmitted on each channel
- Transmission and reception of all ARINC 429 words
- Ability to decode VOR, ILS, ADF, VHF, HF, DME, LRA, and ATC associated words as well as all other BCD and BNR data words into easily recognizable engineering units
- Two low speed and two high speed ARINC 429 transmitter/receiver cards

The venerable T1200, a mainstay in avionics' shops worldwide, has been upgraded to extend its reliability and service life. The display has been replaced by a more reliable, external, touch sensitive color Liquid Crystal Display (LCD). Any system utilizing the ARINC 429 databus can be served with the universal T1200B CDU (Control Display Unit). The result is an unprecedented level of equipment compatibility - from on-board systems all the way through bench testing and sub-component applications.

A touch is all it takes. The "User Configuration" menu permits user selection of data to be transmitted or display of data received.

The T1200B CDU also offers these advantages:

- ARINC 429 Avionics Systems. With appropriate optional interface panels, it is compatible with all major makes of navigation / communication equipment.
- On-board Electrical Systems. This includes control and display functions such as operating or directional lights, electrical switching and cockpit display panels, etc.

GENERAL SPECIFICATIONS

RECEIVER OPERATION

LOW SPEED

Meets or exceeds ARINC 429 specifications

Bit Rate

25 KBPS maximum

Word Rate

0.5 to 400 words per second

HIGH SPEED

Meets or exceeds ARINC 429 specifications

Bit Rate

150 KBPS maximum

Word Rate

0.5 to 400 words per second

TRANSMITTER OPERATION

LOW SPEED

Meets or exceeds ARINC 429 electrical specifications

Bit Rate

8.1 to 20.4 KBPS in 9 steps

Accuracy

$\pm 1\mu s$

Word Rate

5.0 ms to 32,000 ms in 1.0 ms increments

Accuracy

$\pm 0.5 ms$

Max. Word Rate

300 words per second

HIGH SPEED

Meets or exceeds ARINC 429 specifications

Bit Rate

80/100/125 KBPS

Accuracy

$\pm 1\mu s$

Word Rate

5.0 ms to 32,000 ms in 1 ms

Accuracy

$\pm 0.5 ms$

Max. Word Rate

1500 words per second

PHYSICAL CHARACTERISTICS

MAIN UNIT

Weight

18.0 lbs. (8.16 kg)

Size

7.0"H x 19.0"W x 16.0"D (rack mount)

(17.8 cm x 48.25 cm x 40.6 cm)

Power Requirements

50-60 Hz, 100-240 VAC

DISPLAY (W/ RESISTIVE TOUCH SCREEN)

Weight

7.5 lbs. (3.4 kg)

Size

12.2"H x 12.3"W x 5.7"D

(31 cm x 31.25 cm x 14.5 cm)

Power Requirements

50-60 Hz, 100-240 VAC

VERSIONS, OPTIONS AND ACCESSORIES

When ordering please quote the full ordering number information.

ORDERING INFORMATION

| | |
|---------------|---|
| T1200B-110 | ARINC 429 Control Display Unit (110V) |
| T1200B-220 | ARINC 429 Control Display Unit (220V) |
| T1200B-RC-110 | ARINC 429 Control Display Unit - Rear Display Connectors (110V) |
| T1200B-RC-220 | ARINC 429 Control Display Unit - Rear Display Connectors (220V) |

Units come standard with two low speed and two high speed TX and RX ports

Discrete Function Interface Units (DFIU)

| | |
|--------|----------------------------------|
| T1201 | ADF/VOLR/MB/ILS/Thomson MMR DFIU |
| T1202 | HF/VHF DFIU |
| T1203 | DME/XPDR/LRA DFIU |
| T1204 | RDMI/RMI//DDI/RAI DFIU |
| T1205A | Control Head DFIU |
| T1207 | GPS/MLS DFIU |

T1200 DFIU cables and overlays are dependent upon unit under test (UUT). Contact Aeroflex JcAIR Test Systems for availability.

Optional Accessories

| | |
|------------|-------------------------|
| AC501200B5 | Monitor Support Bracket |
|------------|-------------------------|

Used to mount display on front of the T1200B for rack mounted systems

Extended Warranty

| | |
|-----------|---|
| WT12/203C | Extended standard warranty 36 months with scheduled calibration |
| WT12/205C | Extended standard warranty 60 months with scheduled calibration |



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