



DE3400 ARINC 429 data analyser

Protocol level interrogator designed to ensure data integrity within an ARINC 429 databus system

Quick look features

- 12"resistive touch-sensitive screen
- Transmit or receive mode
- Customisable equipment identifiers
- Send a batch of data once or in continuous mode
- Transmits in either 12.5KHz or 100KHz
- Built-in data filtering
- All recorded data time-stamped

The DE3400 tablet allows the user to perform various interrogative functions in order to assess the data integrity of an ARINC 429 databus. By either transmitting data packets to simulate the behaviour of individual LRUs on the system, or reading the data directly from an LRU to identify erroneous messages, the portable and ruggedised device will help to quickly pinpoint faulty signal generators and assist in regaining the integrity of the databus.

The custom designed user interface, combined with a 12" touch sensitive screen provides intuitive application control, and driven by a powerful microprocessor the device is both effective and compact. Combined with a military standard steel protective casing with rubberised shock reducers on each corner, the DE3400 is the perfect companion to take with you into the field.

Benefits

- Quickly identifies erroneous signals from LRUs
- Compact, ruggedised design allows 'in the field' operation
- Intuitive, clear user interface with touch screen promotes fast user input
- Simultaneous multi-channel operation reduces test time
- Data filtering allows effective data interrogation
- Logs all results for post test analyses
- Full training and customer support available

Technical data

Software

- Windows Based GUI

ARINC frequency range

- Transmit 12.5KHz or 100KHz
- Receive 12.5KHz or 100KHz

SW Features

- Display in Binary, Hexadecimal or Engineering Units
- Simultaneously transmit and receive
- Single shot message transmission or continuous mode
- Multiple Input filtering methods
- Triggers receive on specific labels
- Automatically detect data rate for receive
- Save and Load received data
- Save and Load transmit data tables

Customizable fields

- User definable Equipment Identification fields to present data in correct engineering view

Dimensions

- Width: 310 mm (12.20")
- Depth: 255 mm (10.04")
- Height: 54 mm (2.13")

Weight

- 2.5 Kg (5.5 lb)

Temperature

- Operating: -20 to 50°C
- Storage: -40 to 70°C

Additional connectors

- Cables designed for each customers interface needs.

Input method

- Resistive Touch Screen
- On Screen Keyboard

Qualification

- MIL-STD-810

