USB 1553*

airflair-ltd

www.airflair.co.uk

USB Connected Dual Redundant MIL-STD 1553 Tester

USB Bus Powered Device

*A member of Airflair's SOAR range of databus analysers

Key Features

- A powerful, turnkey, MIL-STD 1553 Tester.
- Bus Monitor, Bus Control and RT Emulation.
- USB Bus powered for Desktop or Portable use.
- ZEUS software included FREE of charge.

1 Resources

96 MHz 8 bit Microprocessor
512Kb SRAM, 128Kb EPROM
Flash upgradable

2 I/O Interface

Two trompeter connectors for the dual redundant 1553

3 USB Bus Powered

USB (Universal Serial Bus) V1.1 – compatible to V2.x. Bus powered, no other supply needed

4 Enclosure

120 x 54 x 23mm, rugged, aluminium alloy enclosure

ZEUS

ZEUS for Windows

Free, unrestricted copy of our advanced databus analysis software, providing an 'out of the box' solution to monitoring, stimulating and logging the MIL-STD 1553 databus protocol

Airflair Ltd. Suite 7, Building 1, Lopen Business Park, Mill Lane,
Lopen, South Petherton, Somerset. UNITED KINGDOM. TA13 5JS

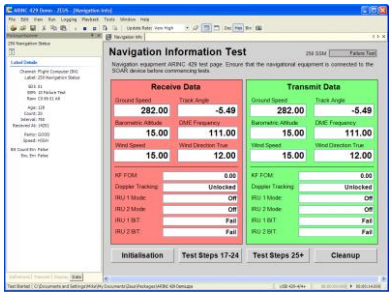
Tel: 01460 77225
Email: info@airflair.co.uk

USB 1553 Features

Turnkey Test Solution

If you're involved in the testing, integration or maintenance of avionics systems – in the lab or at flight line – Airflair's USB connected testers let you get your job done quickly and efficiently.

Use the powerful data import facilities to move data from your ICD to the bundled ZEUS PC software; your engineering units can now be used for both input and display. Quickly set up displays and controls using a familiar and intuitive drag and drop user interface. Run the tests, with powerful bus search facilities, multiple display pages and simultaneous full bandwidth recording. When you're done, review your tests using the on screen replay and/or export your data for off-line analysis.



"Our smallest, fully featured, MIL-STD 1553 tester, slips into any pocket and is ideal for field use."

The USB 1553 member of the 'SOAR family' provides a single, fully featured, dual redundant MIL-STD 1553 channel for easy access to your 1553 data. The unit can act as a Bus Monitor, Bus Controller or emulate one or more of the RTs on your databus.

Key Features

The USB 1553 provides a single, all you'll need, MIL-STD 1553 channel, yet still fits in a shirt pocket. Power is taken from the USB connection to the PC; the only other connections are the databus signals. On board processing and memory takes care of the hard real time requirements, while any USB equipped Windows PC provides the user input and output facilities and bulk storage.

Airflair

To complement all our products Airflair provides a comprehensive solution to all your testing needs, from requirements capture to on-site support and training. Please contact us to find out how we can help.

Technical Data

MIL-STD 1553 Interface

- 1 x Dual Redundant MIL-STD 1553 channel
- Bus Monitor
- Bus Controller
- Full Mode Code and Broadcast Support
- Transformer or direct coupling
- RT Emulation (up to 32 RTs)
- Autonomous cyclic transmit scheduling
- Dynamic update of Tx data
- Readily available trumpeter connector Interface

Resources

- 96MHz 8-bit Microprocessor
- 512Kb SRAM
- 128Kb EPROM
- USB V1.1 (V2 compatible)
- Flash upgradable firmware

Software

- Easy to use software supporting multiple databus types
- User definable data definitions
- Engineering units conversions
- Recording and playback facilities
- User definable displays
- Customised firmware or software on request
- C++ and .Net APIs
- Full Technical Support

Physical

- Rugged, Aluminium Casing
- Device Box: 120 x 54 x 23mm
- Weight: 165g
- Up to 5m USB Cable

Operating Environment

- Operating Temp: 0 to 70 degC
- Storage Temp: -45 to +85 degC
- Humidity: <90%

Power Consumption

- USB Bus powered
- +5V max. 500mA

Airflair Ltd. Suite 7, Building 1, Lopen Business Park, Mill Lane,
Lopen, South Petherton, Somerset. UNITED KINGDOM. TA13 5JS
Tel: 01460 77225
Email: info@airflair.co.uk