USB
429/1553*

airflair-ltd
www.airflair.co.uk

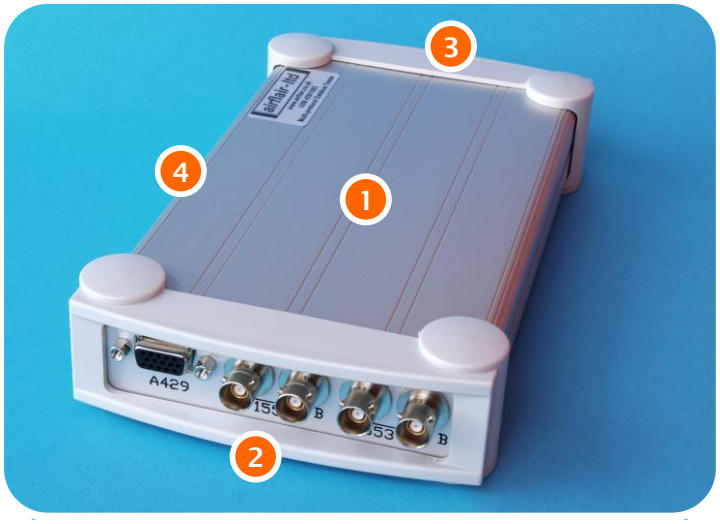
USB Connected Multi Channel ARINC 429 & MIL-STD 1553 Tester

Our Premium Databus Tester

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

Key Features

- A powerful, turnkey, multi-protocol Tester.
- 3 ARINC 429 Rx & 2 Tx plus 2 MIL-STD 1553 channels
- 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

15 way D-type for the 2 x Tx &
3 x Rx ARINC signals, with four
trompeter connectors for the 1553

3 USB Bus Powered

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

4 Enclosure

185 x 113 x 30mm, rugged,
aluminium alloy enclosure with
stackable end panel protectors

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 ARINC 429 and MIL-STD 1553

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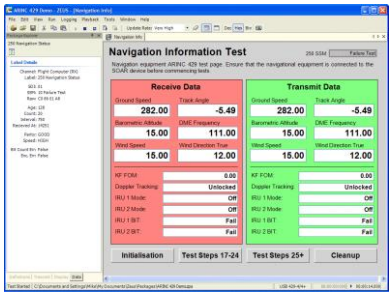
USB 429/1553 Features

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 flagship multi-protocol analyser which is probably all you'll need by way of databus test gear."

The USB 429-1553 member of the 'SOAR family' provides three ARINC 429 receiver channels and two transmitters, plus two dual redundant MIL-STD 1553 interfaces (one with full Bus Monitor, Bus Controller and RT Emulation facilities and one with just Bus Monitor)

Key Features

The USB 429-1553 provides five channels of no compromise ARINC 429 interfacing and two channels of MIL-STD 1553, yet still fits in a jacket pocket. Power is taken from two USB connections 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

Databus Interface

- 2 x ARINC Tx Channels
- 3 x ARINC Rx Channels
- Optically coupled receivers and industry standard line drivers
- 1 x MIL-STD 1553 dual redundant Bus Monitor, Bus Controller & RT Emulator
- 1 x MIL-STD 1553 dual redundant Bus Monitor only.
- Autonomous cyclic transmit scheduling
- 15 way D-type I/O Interface and 4 trompeter connectors

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: 185 x 113 x 30mm
- Weight: 521g
- Up to 5m USB Cable

Operating Environment

- Operating Temp: 0 to 70 degC
- Storage Temp: -40 to +85 degC
- Humidity: <90%

Power Consumption

- 2 x USB Bus powered
- Depending on unit load, 2 x USB connections maybe required
- +5V max. 1000mA

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