

FXT-1553 - Channel and line tester MIL-STD-1553

Description

Portable device Tester FXT-1553 is designed for:

- checking the transmission lines of information over multiplex channels of information exchange
- monitoring and debugging blocks and systems.

Basic functionality

Functionality for checking data bus harness:

- Generating a test signal
- Presence of a remote transmitter
- Measuring line resistance
- Detecting a line break
- Detecting a short circuit in a line
- Determining the presence of terminators in a line
- Defining a phase reversal
- Measurement of signal attenuation in a line

Functionality in the control of data bus channels:

- 1 or 2 redundant channels
- Channel Controller
- The terminal device
- Channel monitor
- Program selection of transformer or direct connection of each channel to the line
- Software control of connection / disconnection of the line terminator

Displaying fault monitoring results:

- No error / Error (pass / fail)
- Display of the measured resistance value, Ohms/kOhm
- Displays the value of insertion loss (signal attenuation), dB
- Displaying the time chart (waveform) of the test and received signal

Options:

- Write an exchange log file to an external disk
- Loading a signal sequences from an external disk

