

# RS 232 Interface Tester

## With Overvoltage Protection



Fig. 1: RS-232 Interface Tester

### Compact, versatile, multifunctional, check-all test tool

The [RS-232 Interface Tester](#) (Fig. 1) enables you to display all kinds of serial RS232 signals at an SUB D9 interface. The tester is simply connected into the serial connections of devices or machines to test their operating parameters.

Its two jumper blocks allow you to switch through various signals individually. Simple direct switching from 1:1 to Modem or Null modem as well as to a loop-back connection is made easy without any additional cables. low, +/-).

The seven 2-color LED's show whether a line signal is active or not (high/low, + -).

To permit measurements and performance testing at the machine/device interface during runtime (e.g. with multi-function measuring instruments, oscilloscopes, etc.), all socket pins of the [RS 232 Interface Tester](#) have been led out 1 to 1 at the input side onto a separate pin row from where they can be easily tapped.

To ensure maximum protection we have supplied the [RS 232 Interface Tester](#) with suppressor diodes (signals against GND) and a decoupling capacitor (between screen and GND) at the output side, i.e. the Sub D plug (Fig. 2). The suppressor diodes offer overvoltage protection that is activated at signals of 18V or more.

All these features have been compactly integrated onto a surface no larger than 4,5 by 9cm.

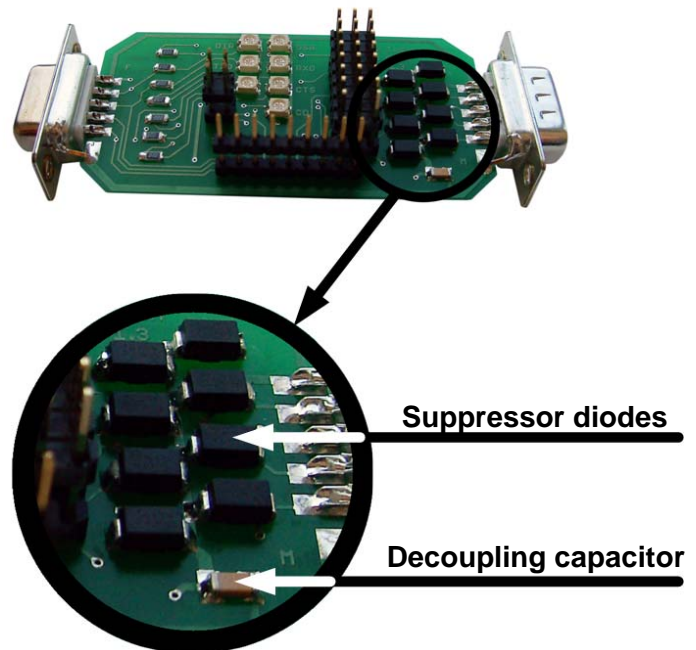


Fig. 2: Detail view of tester interior

The [RS232 Interface Tester](#) can be used for a wide range of applications and situations.

**Testing and checking of serial RS232 interfaces**

**Testing at devices with high overvoltage protection requirements**

**Practical use in places with difficult access**

**Frequently changing cable configurations**

**Research and development**

**Function testing of serial interfaces**

**Ideal all-round companion for the engineer or operator on site**

**... and more**

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### Advantages of the RS 232 Interface Tester:

- Individual signal configuration (quick choice of 1:1, modem, null modem, or loop-back through simple jumper assignments)
- Optical diagnostics indicators of signals DTR, DSR, RXD, RTS, CTS and DCD with clearly arranged 2-color LED's
- Measuring contacts for direct access at the input-side RS232 SUB D9 socket (to connect other devices such as multi-function measuring instruments, oscilloscopes, etc.)
- Overvoltage protection through suppressor diodes (at every signalling line to ground) and decoupling capacitor (activated at output by signals of 18V or more)
- Professionally designed with rugged structure and high-quality components
- Convenient format (compact size) enabling you to make tests in locations with difficult access
- No DB25 to DB9 adapters required
- Only one cable required for all tests
- No additional test adapters required since they have already been integrated

Since this interface tester combines a great number of functions, various other accessories such as DB25 to DB9 adapters, often needed for other interface testers and adding to sources of error, are no longer required.

### Specifications

RS-232 Interface Tester	Specifications
Interfaces	1 x RS232 SUB D9 socket (fully assigned) 1 x RS232 SUB D9 Plug (fully assigned) Extra pin row for measuring instruments
Diagnostics LEDs	DTS, DSR, TXD, RXD, RTS, CTS, DCD, each 2-color, (green/red) for displaying the voltage level (+/-)
Voltage supply	RS232 interface
Casing	Plastic casing
Measurements W/H/D	Approx. 42/20/93 mm
Operating/Storage temperature	5° C to 55° C / -10° C to 70° C
Relative humidity	5 % to 90 %, non-condensing
Overvoltage protection	Overvoltage protection at signal levels of 18V or more through suppressor diodes at each signal line against GND, Screen-lateral overvoltage protection through decoupling capacitor.
Scope of supply	RS 232 Interface Tester 10 jumpers Readme
Purchase order number	0202021

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Subject to change without prior notice

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