Don't miss anything when you are going to analyse RS232 connections!
All necessary tools in a small case and with a special price!

MSB-RS232-PLUS ☑ • SwitchOption ☑ • W232 ☑

A trouble saving toolkit

for engineers, technicans, developer and all who install, analyse, repair and check RS232 equipments and connections. For all who like to have all needed tools ready to hand.

MSB-RS232-PLUS Analyzer + SWO

The sophisticated MSB-RS232-PLUS analyzer not only records all data and signals with a 10 nanosecond precision (up to 200 MHz sample rate). Thanks to the already integrated SWO switch option it also let you specifically influence lines and data for testing purpose.

See how your application reacts when you switch a control line, interrupt the transmission or when you feed it with a wrong parity or an frame error.

W232 Cable

Prepare your connection for non-interruptable analysis.
Plug-in the analyzer at any time and without breaking or disturb a running communication!

Adapters + Gender Changers + Ledtester

Don't worry about wrong or not fitting connectors. The toolkit holds the right adapter in readiness and a Ledtester serves for quick checks.

A modern designed case

keeps your tools safe wherever your are.
Run it on your favorite OS - It's your choice!
Supports Windows and Linux

In the Box

MSB-RS232-PLUS serial analyzer set
- MSB-RS232-PLUS fieldbus protocol analyzer
- Preinstalled MSB-RS232-PLUS Switch Option SWO
- W232 connection cable for MSB-RS232-PLUS in serial or parallel mode
- USB cable to connect analyzer with PC
- CDROM with operating program, manual, tools for Windows and Linux
- Laminate Quickstart guide and RS232 Reference

Ledtester 9 Pin
- Ledtester with 25 pin connectors
- Adapter 9 pin female to 25 pin male
- Adapter 9 pin male to 25 pin female

Various Adapters and Gender Changers
- Gender Changer 9 pin male to 9 pin male
- Gender Changer 9 pin female to 9 pin female
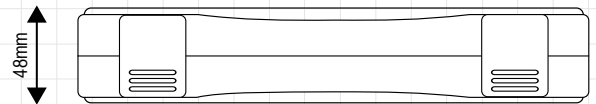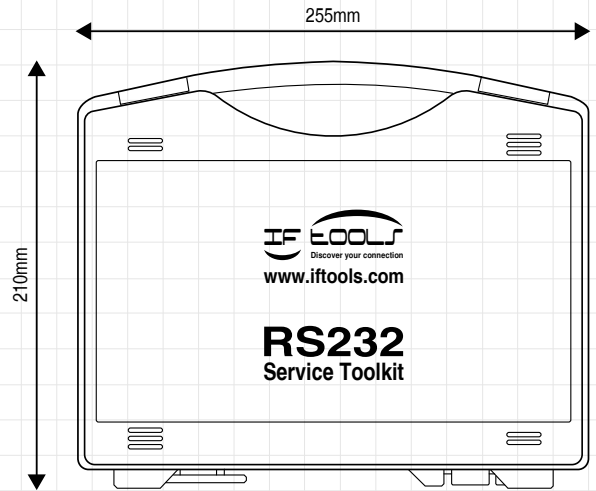- Nullmodem adaptor 9 pin
- Loop back plug

Technical changes and improvements can be done without prior notice

MSB-RS232-PLUS Analyzer

Bus Systems	Recording and analysis of asynchronous (all) and synchronous (SSI) bus systems based on standard RS232 and logic signals
Bit rates	High-precise setting and measuring of any bit rate from 1 Bps to 1 MBps with 0,1% precision
Asynchronous bus	5...9 Data bits, none, even, odd, mark, space parity, any stop bits
Synchronous bus	SSI with 5...63 Data bits, 1...1 MBps
Logical Linestates	Detection of the logical states (A-B): 1 (V+), 0 (V-), invalid (-1.3V < ln < +1.3V).
Time resolution	10 nanoseconds (hardware based) for all data and line change events (sample rate up to 200 MHz). Several analyzers synchronizable.
Signal levels	Standard RS232 Levels ±3V to ±15V, ESD protected inputs 5kOhm
Electrical	Connection between port A and port B through high speed RS232 buffer, each switchable/customizable by software (SWO)
Logic Mode	All RS232 inputs adjustable as logical inputs, trigger level 1.3V, 5kOhm
Device-PC	Power supply (200mA) and data connection via USB 2.0 high speed

Click/scan for full leaflet
MSB-RS232-PLUS

255mm

210mm

48mm

IF TOOLS
Discover your connection
www.iftools.com

RS232
Service Toolkit

Switch Option

|	
General	The integrated schematic switch editor extends the analyzer by the capability to interactively alter the signals. Lines can be switched, rerouted or even inverted. Data can be injected in any line (inclusive simulation of framing and parity errors). Also break conditions can be sent.
Usage	See how your application reacts when you switch a control line, interrupt the transmission and test it by sending data with a frame error or wrong parity.

W232 Cable

General	Extention of the capabilities of the RS232 analyzer MSB-RS232 by uninterruptable analysis
Benefits	Plug-in the analyzer at any time and without breaking or disturbing an active communication.

Adapter + Gender Changer   Pin wiring see right side

GCD9MD9M	Gender Changer, D-Sub.9pol. in compact size, metall case, male to male.
GCD9FD9F	Gender Changer, D-Sub.9pol. in compact size, metall case, female to female.
GCNULL	The Nullmodem Adapter converts every 1:1 wiring cable with D-Sub 9pol. connectors into a "cross switched" nullmodem configuration.
LOOPBACK	Serial RS232 loopback test plug, D-Sub.9pol. with all data and handshake linked back.
ATD9MD25F	Adapter 9 pol D-Sub male/25 pol D-Sub female, compact size.
ATD9FD25M	Adapter 9 pol D-Sub female/25 pol D-Sub male, compact size.
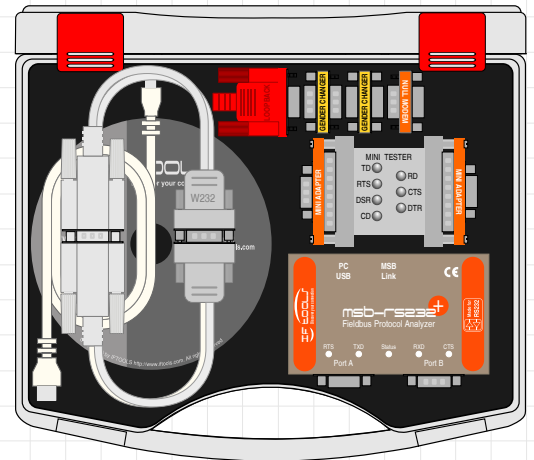
Led Tester

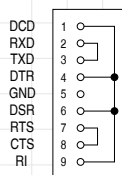|	
Description	RS232 Interface tester 9/25 pin with bicolor LEDs for the signals: TXD, RXD, RTS, CTS, DSR, DTR, DCD. Inclusive 2 gender changers 25 to 9 pin. Connection via 9 or 25 pin Dsub connector male/female.

Plastic case

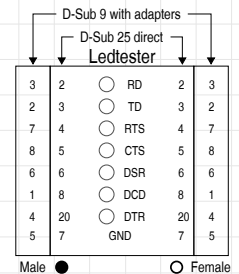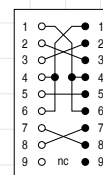|	
Material	The case consists of strong and cold resistent Polypropylene (PP), one of the environmentally friendliest plastics.
Locks & Hinges	Two functional clasp prevent your case opening inopportunely and sturdy hinges ensure high stability.
Dimension & weight	255 x 210 x 48 mm (B x H x D), weight about 900g with content.

Our Price: 579 € *

Your advantage: ca. 100 €

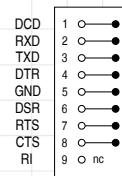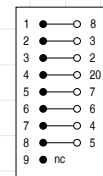in comparison with the single components!   * Without tax

D-Sub 9 with adapters
D-Sub 25 direct

LOOPBACK
DCD	1
RXD	2
TXD	3
DTR	4
GND	5
DSR	6
RTS	7
CTS	8
RI	9

GCNULL
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 nc 9

Ledtester

3	2	RD	2	3
2	3	TD	3	2
7	4	RTS	4	7
8	5	CTS	5	8
6	6	DSR	6	6
1	8	DCD	8	1
4	20	DTR	20	4
5	7	GND	7	5

Male ●   ○ Female

ATD9FD25M
DCD	1	8
RXD	2	3
TXD	3	2
DTR	4	20
GND	5	7
DSR	6	6
RTS	7	4
CTS	8	5
RI	9	nc

ATD9MD25F
1	8
2	3
3	2
4	20
5	7
6	6
7	4
8	5
9	nc

GCD9MD9M
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

GCD9FD9F
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
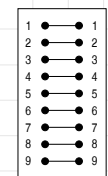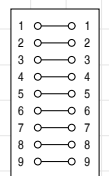
○ Female Connector   ● Male Connector

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