



The idea

The devices in the **wagnertools** 100 series are part of an overall system. Identical housing dimensions and a uniform power unit concept characterise the top-grade products in this series. The devices are designed as stand alone units but the use of 19" device carrier means they can also be operated in a rack or switchboard at any time.

The applications

Broadcasting companies

Television companies

PA systems

Concerts

Theatre

Shows and trade-fairs

Stadiums

Discos and clubs

Media centres

Multi-purpose halls

Sports areas

- COM conversion to fiber < 1500m
- RS422/RS485 reversible
- Integrated termination
- Galvanic isolation
- Transfer rate up to 1.5 Mbaud
- Robust metal housing

The company

wagnertools products are created by people who have been dealing with the construction, service and maintenance of top grade audio equipment for decades.

SOF-102

RS422/RS485 optical fiber interface

The **SOF-102** converts a serial RS422/RS485 interface to fiber (GI). The device with its high transfer rate and galvanic signal isolation is ideal in particular in multimedia applications for troublefree

transmission of control signals. The ST connections can be used to bridge even larger distances without any problems thanks to the connected fiber lead.

Technical data

- Baud rate:** 0 1,5 Mbaud
- Data format:** optional
- Transmitted Signals:** TxD, RxD
- Fiberoptic medium:** Duplex multimode-fiberoptic-cable 50/62,5/125 µm
- Max. distance:** about 1500m
- Used wavelength:** 820nm
- ESD protection:** ESD-resistant RS485-driver-/detection-modules
- Galvanic isolation:** min. 1 kV insulation voltage between serial interface and power supply
- Internal termination:** Switch-on termination network for RS485-operation
- Power supply:** 12V DC, 700mA short-circuit-proof
- Power consumption:** max. 250mA @ 12V DC
- Fiberoptic connection:** ST connectors
- RS422/RS485 connection:** 9-pole SUB-D connector male
- External supply unit (included):** 12V DC, 700 mA, short-circuit-proof (**wagnertools** NT-1)
- Dimensions:** (WHD) 107,5 x 39,5 x 115mm
- Weight:** 580g

Order information

wagnertools SOF-102

Delivery including:

- SOF-102
- External switch mode power supply NT-1 100-230V AC - 12V DC

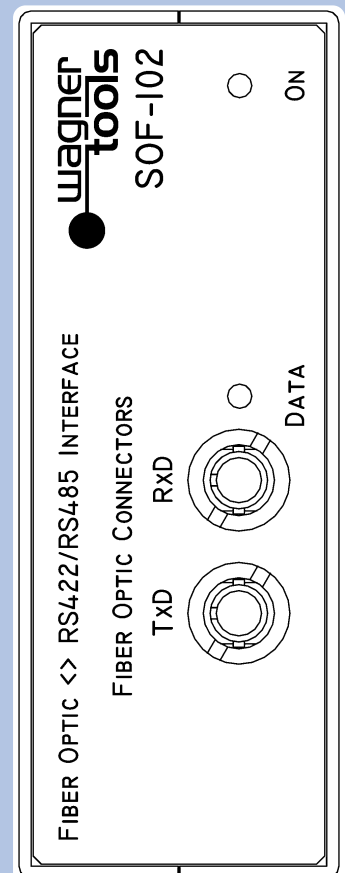
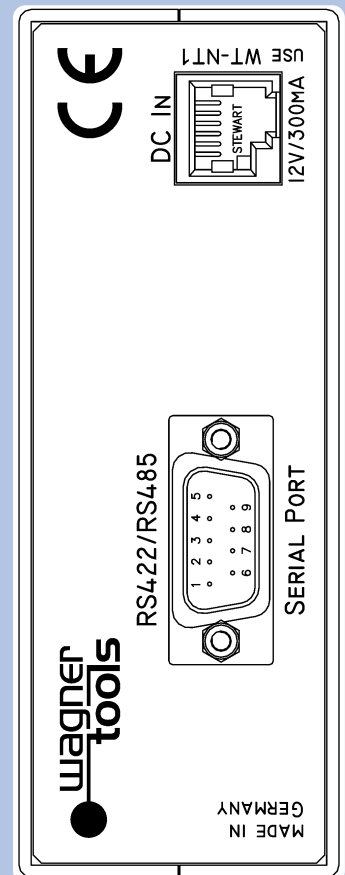
Optional accessories:

- 19" Frame (R19-1-4)

Your dealer:

**wagner
tools**

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manufactured under DIN EN ISO 9001