Datasheet
v001.00

# *opto*GPIB Transceiver

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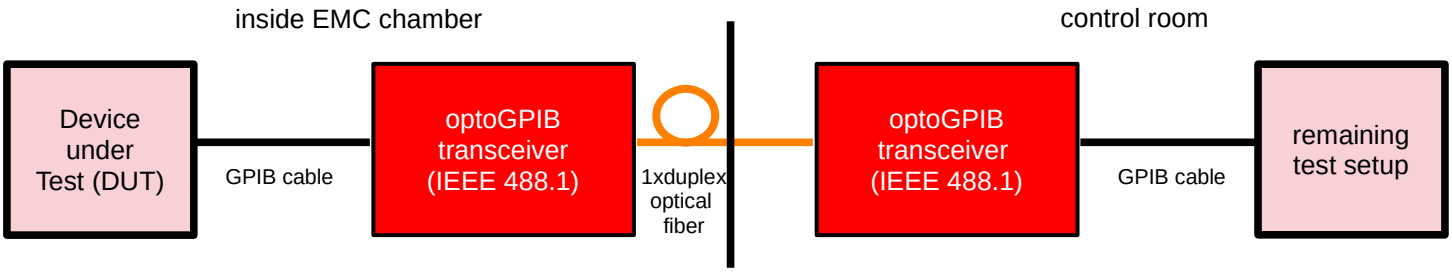
## Field of application and characteristics

The optoGPIB system is a digital bidirectional optical transmission device for GPIB signals. The system uses negative TTL logic (transistor-transistor-logic with a dominant low level). The logic levels gets detected at: low level ≤ 0.8 V and high level ≥ 2.0 V.

There is no radio or RF transmitter or else integrated in this equipment. It uses optical transmission on a fiber to avoid emissions and susceptibility of electric, magnetic, or electromagnetic fields. The system is used for the transmission and supervision of signals during EMC functional tests.

With the optical transmission and the shielded case, the system is well equipped for EMI and EME tests.

## Application




## Technical data

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|---|---|
| **Channels:** | 1 channel |
| **Data rate:** | up to 10 Mbit/s |
| **Data direction:** | bidirectional |
| **Input:** | GPIB connector (IEEE 488.1) |
| **Output:** | GPIB connector (IEEE 488.1) |
| **Power supply:** | integrated batteries 4 Ah, consisting of 5x NiMH cells, operating time with fully charged batteries: approx. 8 h |
| **Housing** | aluminum case with rubber feet<br>118 mm x 80 mm x 50 mm |
| **Weight:** | approx. 760 g |
| **Optical connector:** | 2x FSMA / duplex multimode fiber 62.5/125 µm |

## Options

- 5 cell external power pack (4A h or 10 Ah) for run time enhancement
- various adapter cables and customized solutions
- push pull charge connector (advantage: save setup time)
- 19” housing with up to 13 different optical devices integrated

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