

OSE 150-1 set

Optical Fiber Probe 1-channel, 50 Mbps



Short description

The OSE 150-1 set is used to transmit digital signals from a disturbed device under test (EFT/burst interference). The set consists of one sensor which detects logical signals and transforms them into optical signals. The light signals are transmitted to the optical receiver via a fiber optical cable. The receiver transforms them into digital electric signals. These can be visualized with an oscilloscope or can be used for the control of other devices.

The light signals are transmitted to the optical receiver via a fiber optical cable. The system is suitable for signal monitoring from an anechoic chamber, a shielded RF chamber or in an EMC test lab. The optical transmission system allows EMC-optimizing of hard- and software, because disturbed signals can be easily detected.

Scope of delivery

- 1x OE 150, Optical Receiver
- 1x S25, Optical Sensor (50 Mbps)
- 1x LWL Ø 2.2 mm 1.5 m, Optical Fiber Single 1.5 m
- 1x NT FRI EU, Power Supply Unit
- 1x OSE 150-1 acc, Accessories
- 1x OSE 150-1 case, System Case
- 1x Digital m, OSE User Manual

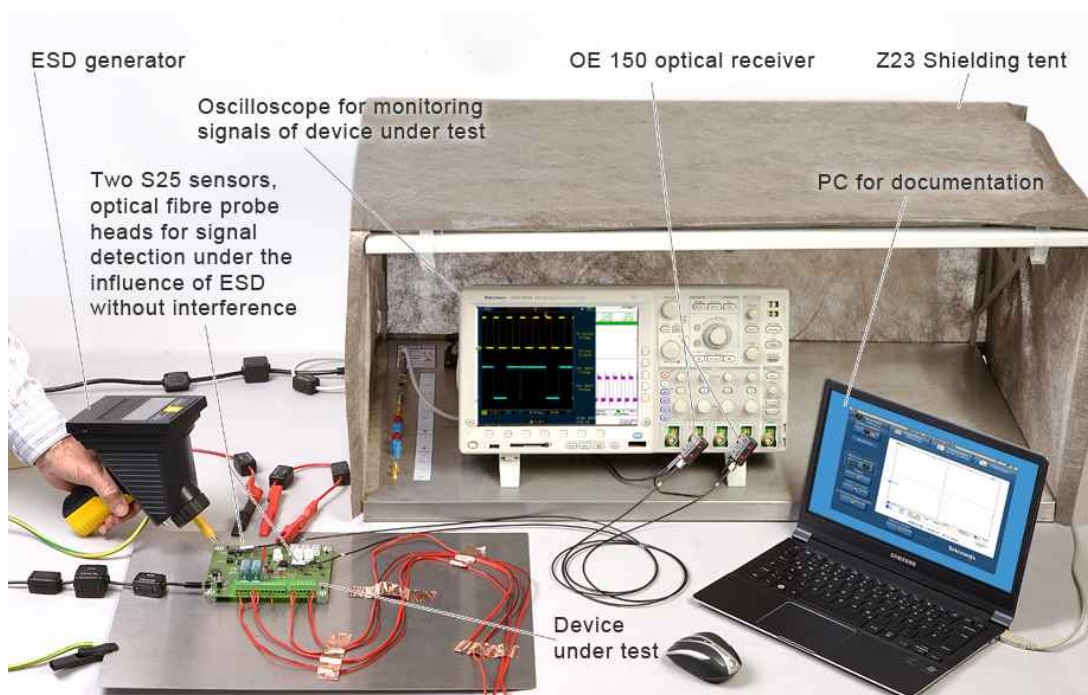
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Technical parameters

| | |
|--------------------------------|------------------------|
| OE 150 Optical Receiver | |
| Transmission range | DC ... 50 Mbps |
| Optical fibre connector | Ø 2.2 mm |
| Supply voltage | 12 V / 100 mA |
| Optical fibre length | 1 m - 20 m |
| Connector - output | BNC-Stecker, 5 V HCMOS |
| S25 Optical Sensor | |
| Transmission range | DC ... 50 Mbps |
| Optical fibre connector | Ø 2.2 mm |
| Supply voltage | 3 V ... 5 V |
| Current input | 30 mA |

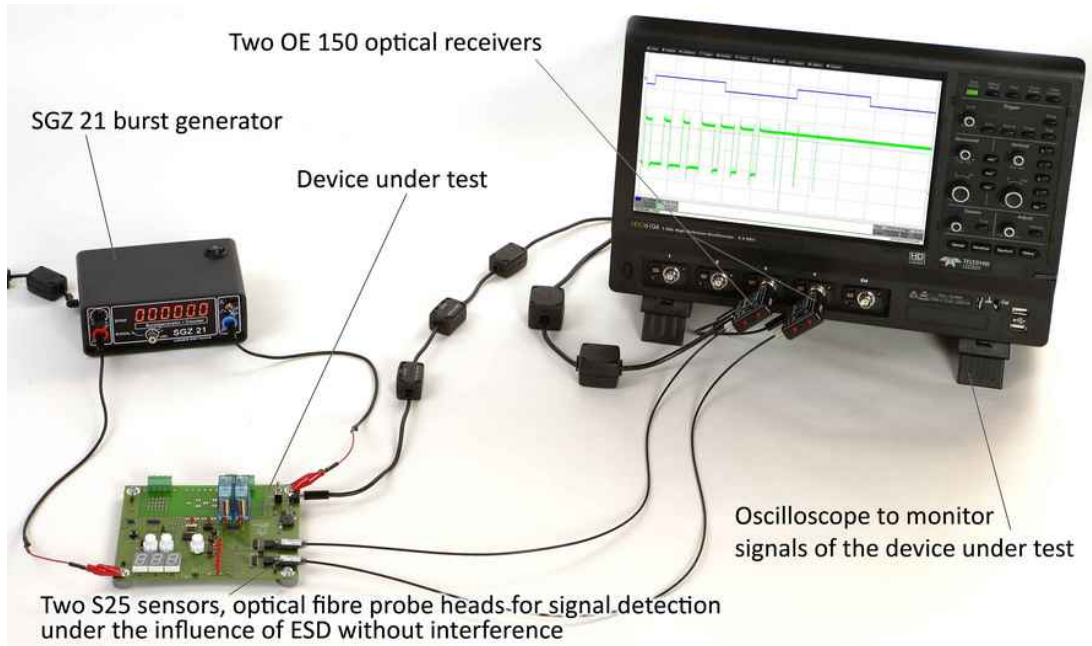
Application with two OSE 150-1 sets and shielding tent



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Application with two OSE 150-1 sets and SGZ 21



Application with optical sensor S25



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