

OSE 150-2 set

Optical Fiber Probe 2-Channel, 50 Mbps



Short description

With the OSE 150-2 set it is possible to potentially free oscilloscograph digital signals under EFT/burst interference. Disturbed signals from the device under test can be easily detected.

The set consists of two single sensors which are used to detect two digital signals within the device under test. It is connected via two fiber optical cables and two receivers to the oscilloscope. Inside the device under test a sensor transforms measured logical signals into light signals. Different types of sensors with different measuring ranges are available for the detection of logical signals in the device under test. 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 to control other devices. The system is suitable for signal monitoring from an anechoic chamber, a shielded RF chamber, or in an EMC test lab. Hard- and software can be EMC-optimized.

Scope of delivery

- 2x OE 150, Optical Receiver
- 2x S25, Optical Sensor (50 Mbps)
- 2x LWL Ø 2.2 mm 6 m, Optical Fiber, Single 6 m
- 1x NT FRI EU, Power Supply Unit
- 1x OSE 150-2 acc, Accessories
- 1x OSE 150-2 case, System Case
- 1x Digital m, OSE User Manual

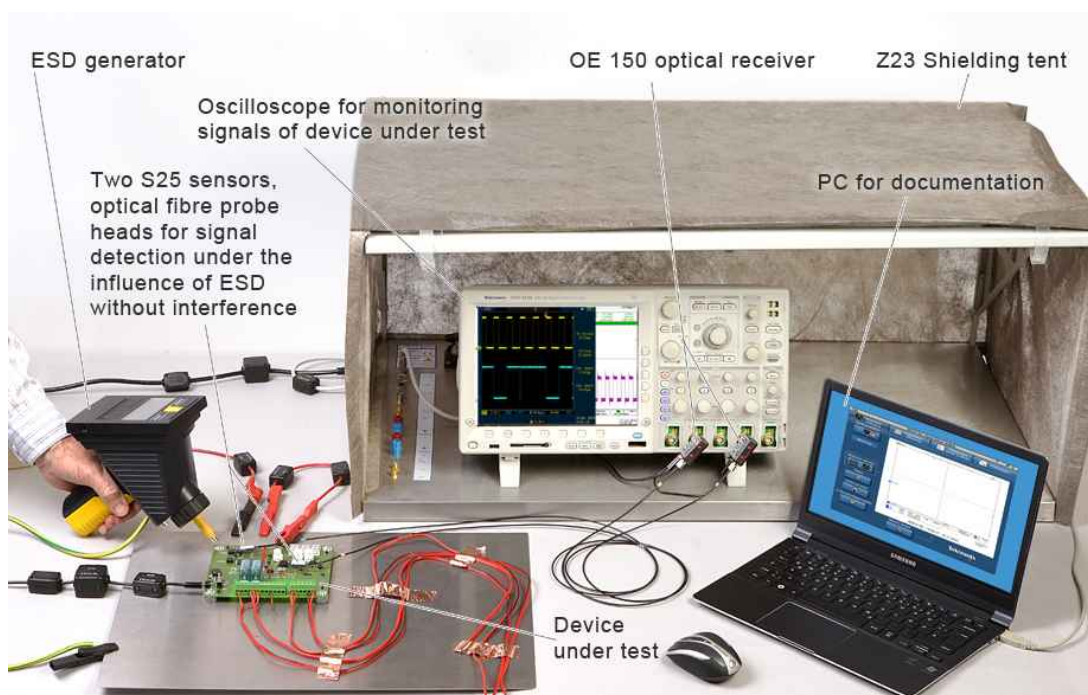
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Technical parameters

| | |
|--------------------------------|------------------------|
| 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 |

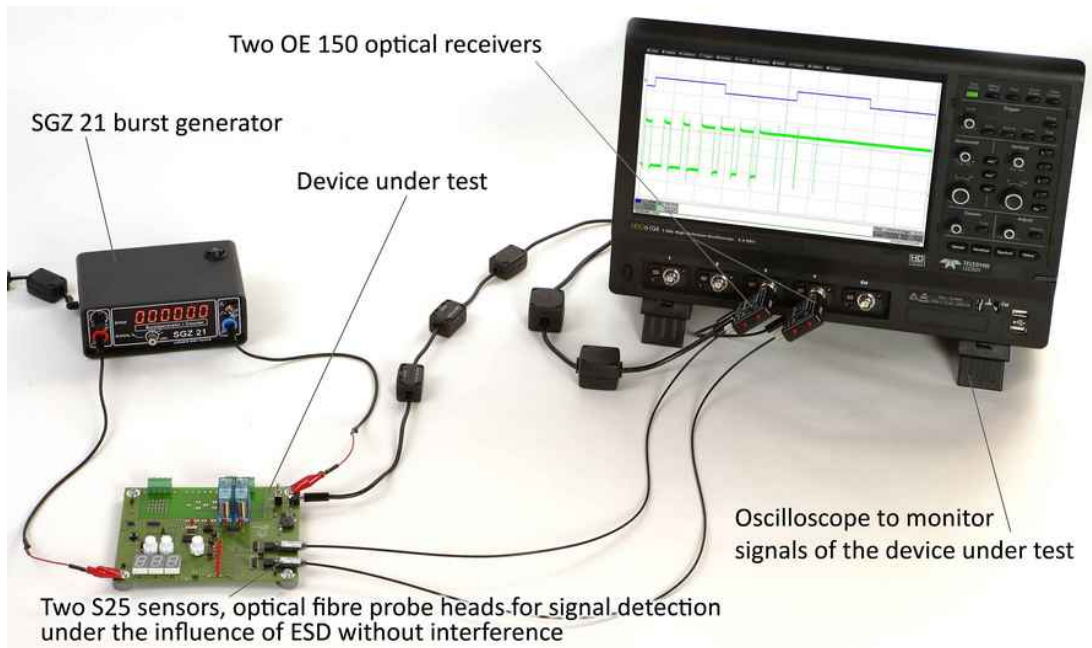
Application with OSE 150-2 set and shielding tent



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Application with OSE 150-2 set and SGZ 21



Application with optical sensor S25



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