

# A200-2 set

Optical Fiber Probe 2-Channel, 500 kHz



## Short description

The A200-2 set consists of two sensors which allow for potential free transmission of analog signals under EFT/ESD/RF interference. The signals are displayed on an oscilloscope. Disturbed signals can be easily detected. In the device under test the sensor transforms the measured logic signals into optical signals. The optical signals are transmitted via a fiber optical cable to the optical receiver which transforms them into electrical signals. These can be seen with an oscilloscope or can be used for controlling other devices. The system is suitable for monitoring signals or devices under test in an anechoic chamber or for EMC optimizing of hard- and software.

## Scope of delivery

- 2x AE 200, Optical Receiver
- 2x AS 200, Optical Sensor (50 / 10) V DC
- 2x LWL Ø 2.2 mm 6 m, Optical Fiber, Single 6 m
- 1x NT FRI EU, Power Supply Unit
- 1x A200-2 acc, Accessories
- 1x A200-2 case, System Case
- 1x Analog m, User Manual

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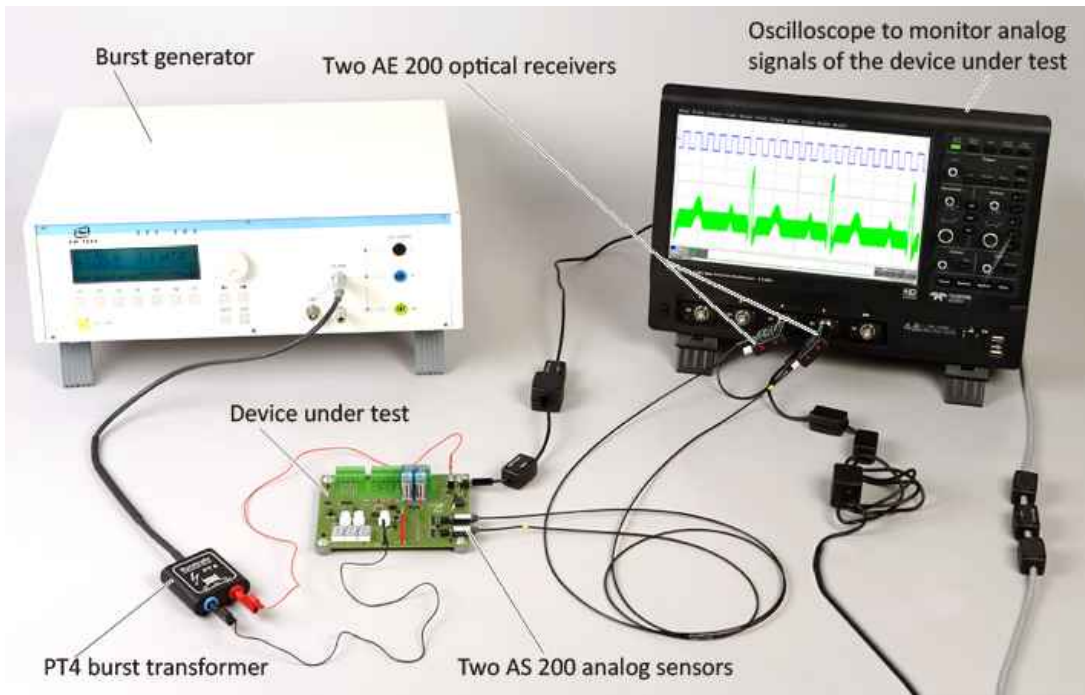
## Technical parameters

|                                |   |
|--------------------------------|---|
| <b>Bandwidth</b>               | DC ... 500 kHz                              |
| <b>Sampling rate</b>           | 3 Msps                                      |
| <b>Resolution</b>              | 12 Bit                                      |
| <b>AE 200 Optical Receiver</b> |   |
| Bandwidth                      | DC ... 500 kHz                              |
| Voltage range - output         | 0 V ... 10 V                                |
| Optical input: Optical fiber   | Ø 2.2 mm                                    |
| Supply voltage                 | 12 V ... 16 V                               |
| Current input                  | ≈ 100 mA                                    |
| <b>AS 200 Optical Sensor</b>   |   |
| Bandwidth                      | DC ... 500 kHz                              |
| Measuring range                | 0 V ... 50 V / 0 V ... 10 V DC (switchable) |
| Input resistance               | 100 kΩ                                      |
| Radiated immunity              | > 100 V/m                                   |
| Supply voltage                 | 3 V ... 16 V                                |
| Current input                  | ≈ 30 mA                                     |
| <b>Optical fibre length</b>    | 1 m ... 20 m                                |

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Application with AS 200 set



Application with AS 200 optical sensor



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