

# AS 300

Optical Sensor, Analog  $\pm 10$  V DC



## Short description

The AS 300 sensor is an analog probe for nonreactive transmissions of analog signals emitted by the device under test during an interference. It is positioned directly onto the PCB of the device under test and is powered by the device under test. In the sensor, the analog signal is transformed via a serial ADC into an optical signal which is transmitted via a fibre optical cable to the receiver/ oscilloscope.

Signal transmissions via a fibre optic cable do not change the testing environment of the device under test. The signals received allow the concrete functions of the DUT to be controlled, meaning disturbed signals can be immediately detected.

## Technical parameters

<b>Bandwidth</b>	DC ... 5 MHz
<b>Sampling rate</b>	12.5 Msps
<b>Measuring range</b>	$\pm 10$ V
<b>Input resistance</b>	100 k $\Omega$
<b>Radiated immunity</b>	> 200 V/m
<b>Supply voltage</b>	4.5 V ... 16 V
<b>Current input</b>	70 mA (4.5 V) 30 mA (16 V)
<b>Sizes (L x W x H)</b>	(36 x 11 x 7) mm