

AS 200

Optical Sensor (50 / 10) V DC



Short description

The AS 200 sensor is an analog probe for nonreactive transmissions of analog signals out of the device under test during an interference. It is positioned directly onto the PC board 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 and 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 while the signals received allow the device under test's concrete functions to be controlled, meaning disturbed signals can be immediately detected.

Technical parameters

Bandwidth	DC ... 500 kHz
Measuring range	0 V ... 50 V / 0 V ... 10 V DC (switchable)
Input resistance	100 k Ω
Radiated immunity	> 100 V/m
Supply voltage	3 V ... 16 V
Current input	\approx 30 mA
Sizes (L x W x H)	(34 x 10 x 7) mm