AS 200

Optical Sensor (50 / 10) V DC

LANGER EMV-Technik

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 immediatly detected.

Technical parameters

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
Sizes (L x W x H)	(34 x 10 x 7) mm