AS 110

Optical Sensor (10 / 1) V DC

Short description

The AS 110 sensor is a small analog probe for nonreactive transmissions of binary signals out of the device under test during interference. It is positioned directly on the PC board of the device under test and is powered by this 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.

The signal transmission via a fibre optic cable does not change the testing environment of the device under test. The acquisition of device under test signals allow for controlling its concrete function. Disturbed signals are immediatly detected.

Technical parameters

Bandwidth	DC ... 25 kHz
Sampling rate	125 ksps
Measuring range	0 V ... 10 V / 0 V ... 1 V DC (switchable)
Input resistance	1 MΩ
Radiated immunity	> 100 V/m
Supply voltage	3 V ... 16 V
Current input	≈ 3 mA
Sizes (L x W x H)	(34 x 10 x 7) mm