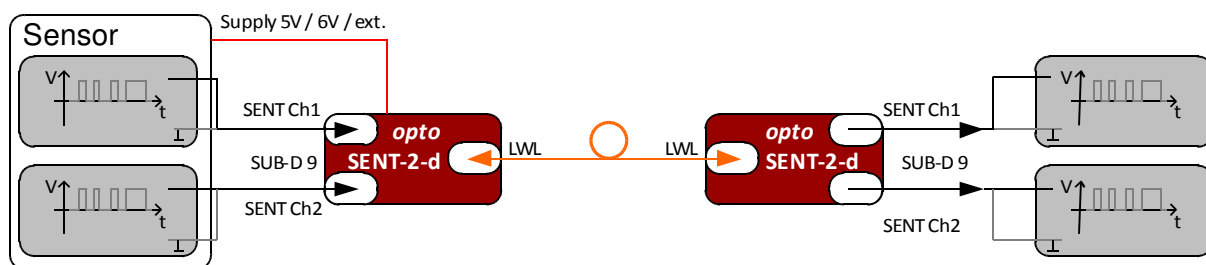


Field of application and characteristics

The **optoSENT-2-d** system can be used for the optical transmission of one or two SENT signals simultaneously. Transmitter and receiver are supplied by internal batteries and connected with an optical fiber. With the optical transmission and the shielded case, the system is well equipped for EMI and EME tests.



Application



Technical data

Channels:	1 or 2
Data rate:	depends on specifications of Infineon TLE4998 Rev. 1.0
Input:	approx. 0 .. 6V; SUB-D9 (male connector)
Input impedance:	see application circuit TLE4998 Rev. 1.0
Senso supply:	5V / 6V internal (approx. 100mA) or external
Output:	approx. 0 .. 6V; max. 100mA; SUB-D9 (female connector); resists short circuits for a short time
Output impedance:	see application circuit TLE4998
Power supply:	Transmitter: 6 NiMH Zellen with 4 Ah; approx. 10-15h; depends on the power consumption of the sensor; 5-poled charging plug Receiver: 5 NiMH cells with 4Ah; 10-15h; 5-poled charging plug
Case dimensions:	136mm x 86mm x 65mm Chromated aluminium case, front anodized and labelled
Weight:	approx. 800g
misc:	External battery packs /power supply available on demand Anodized case with rubber protectors available on demand

Optical fiber

Connector / type: FSMA / Duplex-Multimode LWL 62,5/125µm