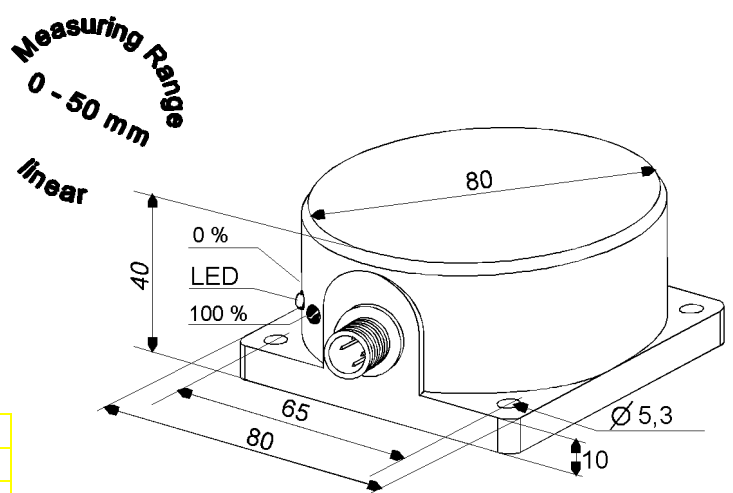


Compact analogous sensor with water-proof plug connection. The object distance can be transferred via the analogous output and via the serial interface.

Range of distance and linearization for different applications can be individually set by two push-buttons or via RS 485 interface.



Technical Data

Type	MKK 050.19 S4
Art.-No.	2331A
Distance range max. Ab	0 - 50 mm*
Distance range adjustable	yes
Output	0 – 10 V
Load impedance	≥ 10K
Ripple content	≤ 1%
Output short circuit protected	yes
Reverse polarity protection	no
Digital communication	RS 485
Location at metal	non flush mount
Supply voltage	24 V DC
Ripple voltage	max. 15 %
Current consumption	≤ 12 mA
Readiness time	1 s
Response delay	approx. 24 ms
Resolution	1 ‰ of final value
Repeatability	≤ 0,3 %
Error of linearity	≤ 2 %
Error of temperature	≤ 7 %
Error of temperature at 50 % Ab	≤ 1,5 %
Ambient temperature	-10 ... +70 °C
Protection class	IP 67
Connection	Plug S4 (M12x1)
Function display	Duo-LED
Housing material	plastic PBT
Further available designs	Type:
Output 0 – 20 mA	MKK 050.190 S4
Output 4 – 20 mA	MKK 050.194 S4
Accessories	Art.-No.
(not included in the scope of supply)	
3-polar angular coupling with moulded connection cable of 5 m length for analogous evaluation only	9841R
5-polar angular coupling with moulded connection cable of 5 m length for additional use of RS 485 interface.	9841Q

*Referred to measuring plate steel ST37, 1 mm thick 150 x 150 mm. Deviations of material and size of the object to be measured influence the range of operation.

Diagram of Connection

