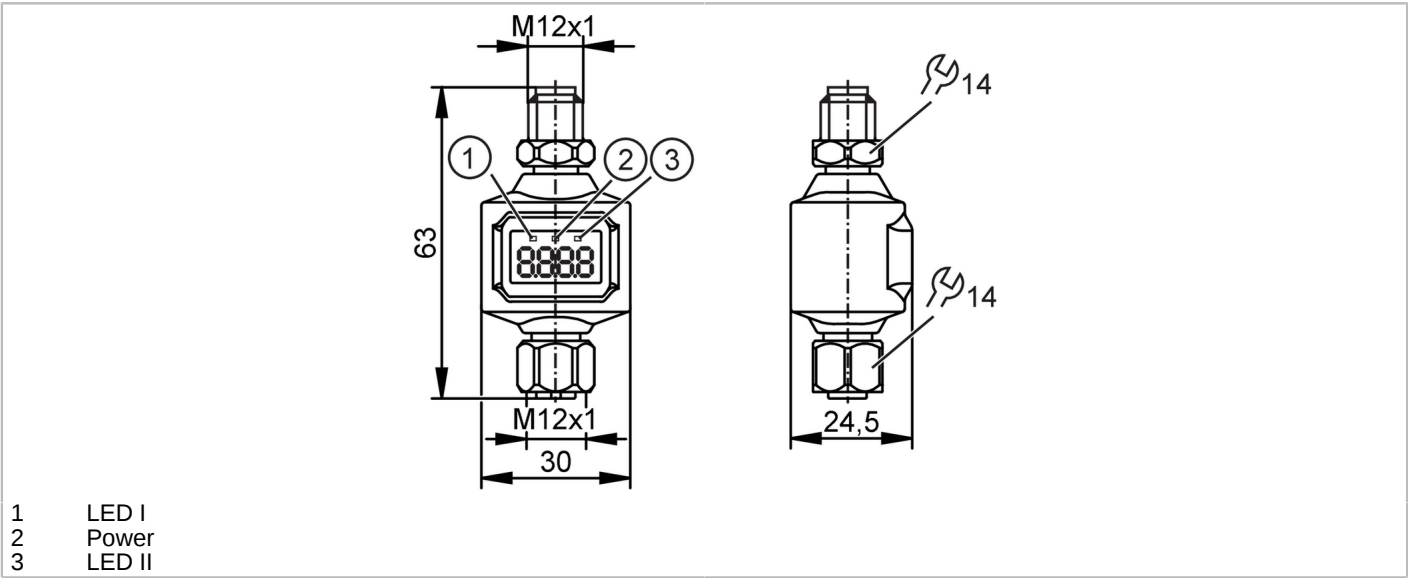




Evaluation system and display for analog signals

ANLG THOLD DISP/4-20mA/IP69K



Application

Application	decentralized display, preprocessing and conversion of analog signals; for use in wet environments; indoor use
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Electrical data

Operating voltage	[V]	18...30 DC; ((in wet environments: 18...28 V) to SELV/PELV)
Nominal voltage DC	[V]	24
Current consumption	[mA]	30...900
Max. current load total	[A]	0.8

Inputs / outputs

Number of inputs and outputs	Number of analog inputs: 1; Number of digital outputs: 1; Number of analog outputs: 1
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Inputs

Sensor supply of the inputs	from the operating voltage
Number of analog inputs	1
Analog input (current)	[mA] 4...20
Resolution of analog input	10 Bit

Outputs

Number of digital outputs	1
Voltage range DC	[V] 10...30
Output function	normally open / closed; (configurable)
Max. current load per output	[mA] 50
Number of analog outputs	1
Analog current output	[mA] 4...20

Accuracy / deviations

Accuracy	0.75; (% of the final value of the measuring range analog input)
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Interfaces

Communication interface	IO-Link
Transmission type	COM2 (38,4 kBaud)



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IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor - SSP 0	Generic Profiled Sensor
	Function	Device identification
	Function	Process data variable
	Function	Device diagnosis
SIO mode	yes	
Required master port class	A	
Process data analog	1	
Process data binary	1	
Min. process cycle time [ms]	3.2	
Supported DeviceIDs	Type of operation	DeviceID
	default	610

Operating conditions

Ambient temperature [°C]	-25...60	
Storage temperature [°C]	-25...70	
Max. relative air humidity [%]	90; (linearly decreasing to 50 % (40 °C); non condensing)	
Max. height above sea level [m]	4000	
Protection	IP 67; IP 69K	
Pollution degree	2	
Chemical media	DIN EN ISO 175, Ecolab test method 40-1	
	the following media were tested for 28 days at constant room temperature using the dipping test method	P3-topax 66
		P3-topax 990
		Topactive 200
		Topactive 500
		Topactive OKTO

Tests / approvals

MTTF [years]	370	
UL approval	Ta	max. 55 °C
	File number UL	E205959

Mechanical data

Weight [g]	78.5	
Weight (without accessories and packaging) [g]	27	
Housing	rectangular	
Dimensions [mm]	63 x 30 x 24.5	
Material	housing: PA	
Material nut	stainless steel (1.4404 / 316L)	
Sealing material	FKM	



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Displays / operating elements		
Display	Switching status	LED, yellow
	Power	LED, green
		7-segment LED display, red/green 4-digit configurable
		digit height 6,8 mm
		digit width 3,8 mm

Remarks	
Remarks	Further information is available in the manual. the device complies with overvoltage category II
Pack quantity	1 pcs.

Electrical connection - plug	
Connector: 1 x M12, straight; coding: A; Contacts: 4; Locking: stainless steel (1.4404 / 316L)	
1: L+	supply voltage
2: OUT2	analog output
3: L-	supply voltage
4: OUT1	IO-Link (C/Q)

Electrical connection - Socket	
Connector: 1 x M12, straight; coding: A; Contacts: 5; Locking: stainless steel (1.4404 / 316L); sealing: FKM	
1: L+	Sensor supply
2: 4...20 mA	analog input
3: L-	Sensor supply
4:	not used
5:	not used