

UK1

UK1C/G6-1EIOSY

Ultra.M18,PNP+4-20mA,M12 plug,Diffuse

M18 CYLINDRICAL DIRECT DIFFUSE & RETRO-REFLECTIVE ULTRASONIC SENSOR UK1 WITH TEACH-IN BUTTON

OVERVIEW

- Models with digital programmable output
- Models with current or voltage analogue outputs
- Adjustable Hysteresis function: model with programmable double digital outputs, specific for levels
- Working area adjusting (window teach or single point teach) by Teach-in button suitable for all models for a fast coming into work
- Multifunction LED indicator: output type, adjustment procedure, NO/NC selection and reverse analog output slope

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	900mm
Thermal drift of Sr	±2%
Repeat Accuracy	0,50%
Sensitivity adjustment	Teach-in button
thermal compensation	
Minimum sensing distance (blind	

zone)	100mm

Application

Function Principle	Diffuse reflection

Outputs

Output type	IO-Link/PNP + 4…20mA
Output Function	NO/NC + positive/negative slope
Switching frequency	3Hz

Electrical data

Operating Voltage	10 - 30Vdc
No-Load supply current	≤50mA
Load current	100mA
Leakage current	10µA @ 30Vcc
Max ripple content	5%
LED indicators	green: echo - yellow: output
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	M18 x 1 / L = 91,6mm

Housing material	stainless steel AISI 316L
Weight	100g
Connections	M12 Plug
Active Head Material	10° ± 2°
Tightening torque	1Nm
Operating temperature	- 20°C…+ 70°C
Storage temperature	- 35°C…+ 80° C without freeze
Diameter/Dimension	M18

Test/Approvals

Approvals	CE cULus
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	IEC EN60947-5-2 / 7.4
Degree of protection	IP67

Accessories

Supplied Accessories	2 x M18 x 1 nuts, 2 Ø 18 washers

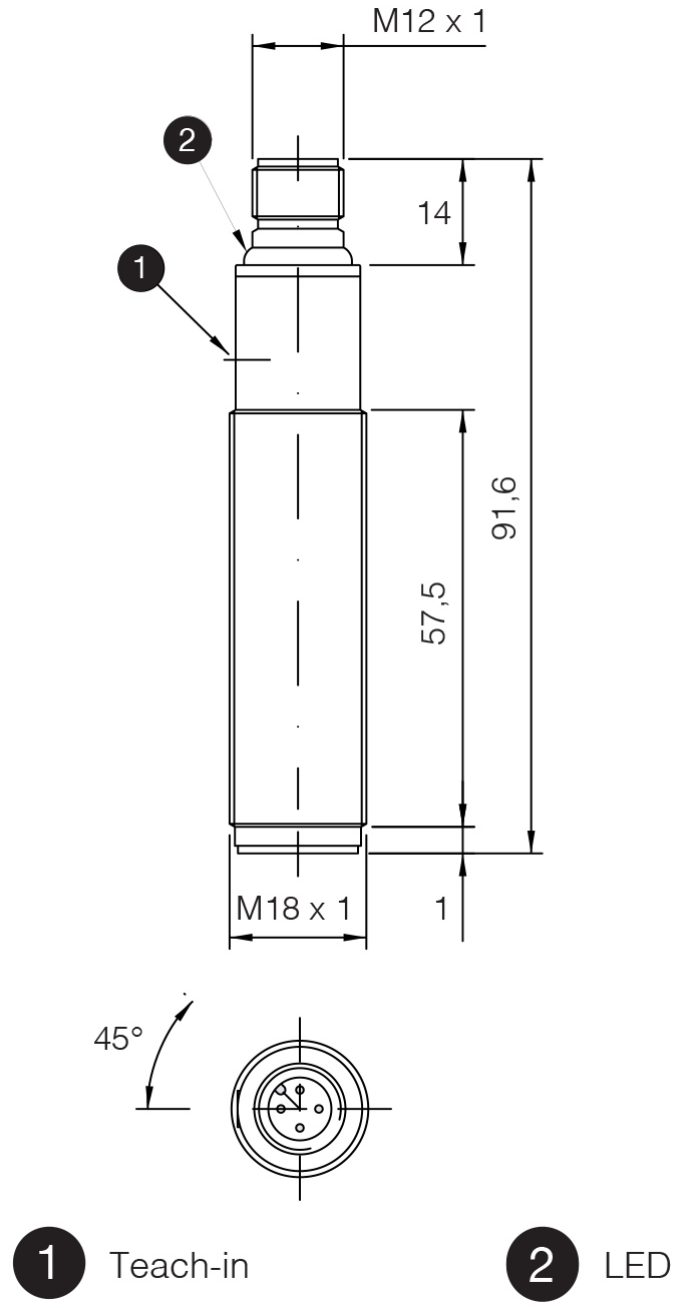
Generical Data

Dimensions	M18 x 1 / L = 91,6mm
Operating Temperature	- 20°C…+ 70°C

Mechanical Protection	IP67

OTHERS

Dimensions



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