

LDLC

High Frequency Level Switch



OVERVIEW

Operation

The DLC series level switch is made of stainless steel and the probe is made of hygienic material PEEK. This material has corrosion resistance aging resistance and solubility resistance. The medium temperature of the standart type is between 40...115°C. The high temperature type can reach to 200°C and the protection rating is IP68.

Application

- Especially suitable for sticky liquid to avoid false alarm
- It is necessary to detect high viscosity liquid and powder media or powder with high humidity
- Common sticky materials for example chocolate syrup, yogurt, medicinal powder

Features

- Longer length of probe is available
- Suitable for liquid, paste, small bulk and powder
- Smart learning function via the buttons without any software setting
- Point-to-Point level measurement with high and low point detection. It can be mounted horizontally or vertically
- Cost-effective and high reliability
- NO/NC Setting
- Learning mode



OPERATING DATA

Ambient Temperature

-40°C... +85°C

Storage Temperature

-40°C... +85°C

Medium Temperature

-40°C... +115°C (Standard)
-40°C... +200°C (High temperature)

Operating Pressure

Max. 40 Bar

Process Connection

G 1/2" A

Connection

M12x1.0 socket

Enclosure

IP68

Response Time

<1s

ELECTRICAL DATA

Power Supply

18...36 VDC

Output

PNP/NPN NO/NC

Relay Output

Load DC/AC 36V/1A

Power Consumption

PNP&NPN output <1W
Relay output <2W

MATERIALS

Housing

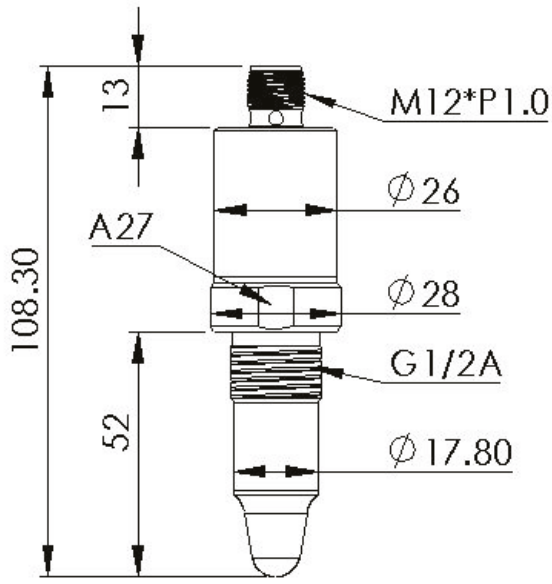
AISI 316L

Probe

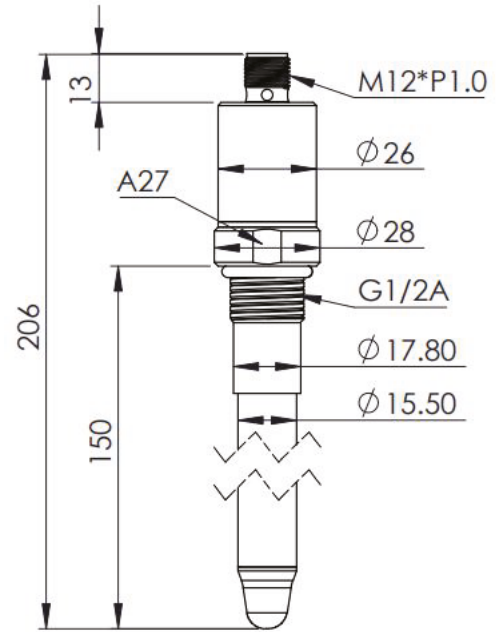
PEEK



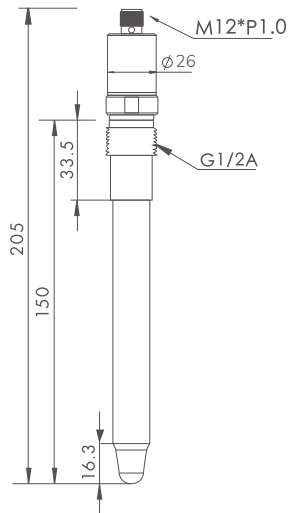
TECHNICAL DRAWING AND DIMENSIONS



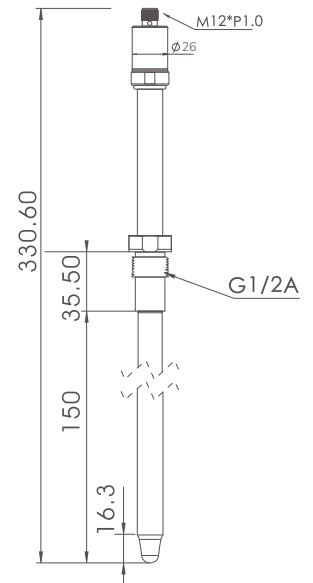
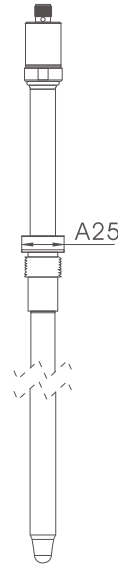
Standart



High Temperature

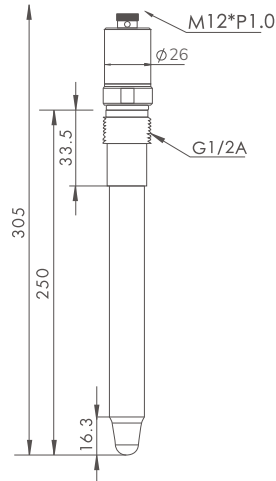


Standart Extra length
probe 150mm

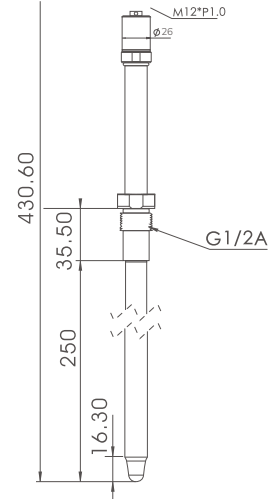
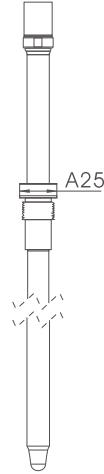


High temperature Extra
length probe 150mm



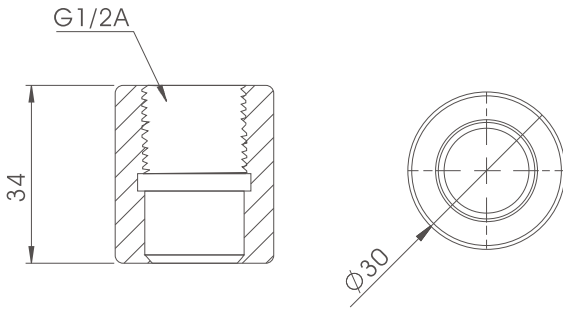


Standart Extra length
probe 250mm

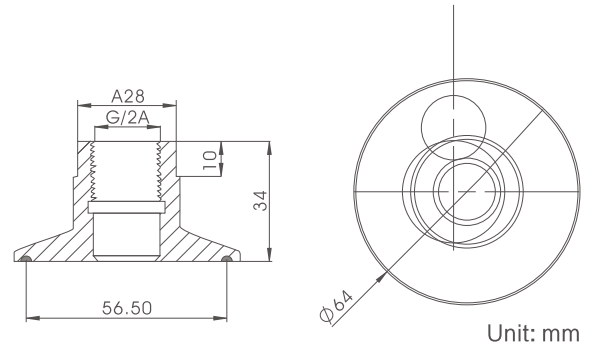


High temperature Extra
length probe 150mm

Adapter Dimensions



Hygienic welding
adapter US0069

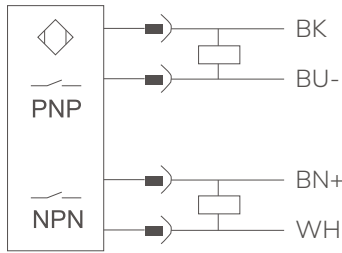
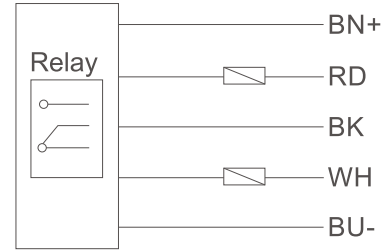
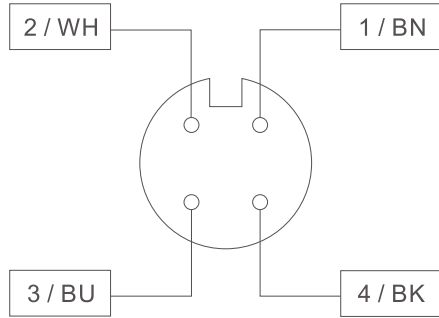


Unit: mm

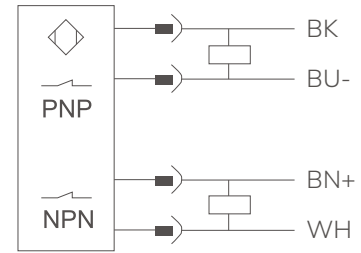
Hygienic Tri Clamp
adapter US0070



WIRING



Red LED goes out



Red LED flashes

WH is ground wire for PNP/NPN output.⊕

ORDERING

Model	
LDLC	High Frequency Level Switch

Temperature	
S	Standart (-40°C...+115°C)
H	High temperature (-40°C...+200°C)

Temperature	
S	Standart
150	Extra length 150 mm
250	Extra length 250 mm

