

GAS AND LIQUIDS THERMAL FLOW SENSOR

AI.GL-ECooling



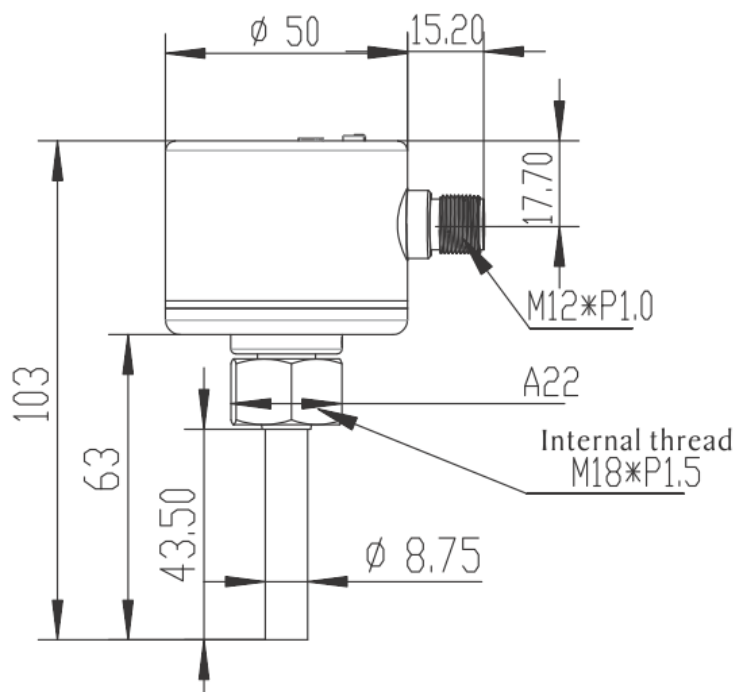
TECHNICAL PARAMETERS

Operating Voltage[V]	20...36DC
Max.current loading [mA]	400
Short-circuit protection	YES
Reverse polarity protection	YES
Overload protection	YES
The indication of no flow	YES
Voltage drop [V]	< 2.5

- 2-in-1 functions for flow and temperature monitoring
- All stainless steel structure
- Seal Plus + technology for IP68
- Advanced intelligent system, user-programmable
- 7-segment LEDs for flow rate and 3-digits temperature rate
- Enhanced immunity to interference and EMC ratings
- Small size, light weight, wear resistance and corrosion resistance

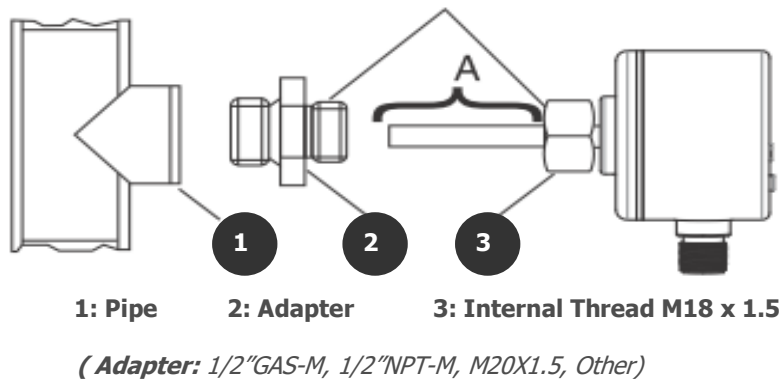
Current consumption [mA]		< 80
Temperature gradient [K/min]		300
Pressure rating [bar]		300
Accuracy[%]		± 2... ± 10cm/s Factory setting as 25°C water
Housing material		Stainless steel 316L
Probe material		Stainless steel 316L Also titanium alloy for your choice
Connection		M12 socket
Liquid	Temperature [°C/°F]	-25...+80/-13...+176
	Setting range [cm/s]	3...300
	Max.sensing range [cm/s]	3...100
Gas	Temperature [°C/°F]	-25...+80/-13...+176
	Setting range [cm/s]	200...3000
	Max.sensing range [cm/s]	200...800
Switching point adjustment		Button
Power-on delay times[s]		< 8
Output response time[s]		> 2
Protection classification		IP68 FE: IP67 (Protection/Enclosure Rating is IP68 for non-explosive area)
Ambient	Temperature [°C/°F]	-25...+80/-13...+176
	Humidity[%]	15...85
	Shock Resistance [g]	50
	Vibration Resistance [g]	20
Storage	Temperature [°C/°F]	-25...+100/-13...+212
	Humidity[%]	15...95
LED Display		3 colors LED x 10
Certification		CE; RoHS; EX
EX marking		FE: Ex nA IIC T4 Gc / Ex tD A21 IP67 T100°C

DIMENSION

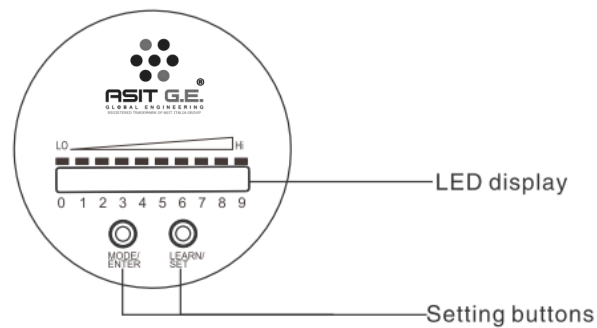


OUTLINE CONNECTION

Outline Construction and Installation are shown below:

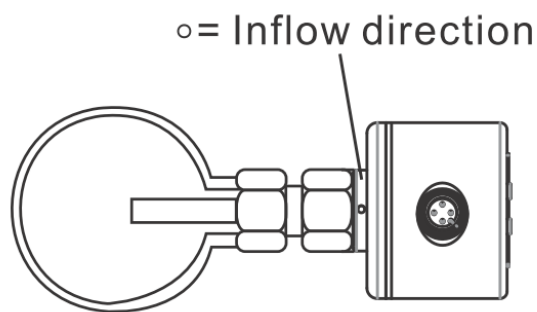


Display:

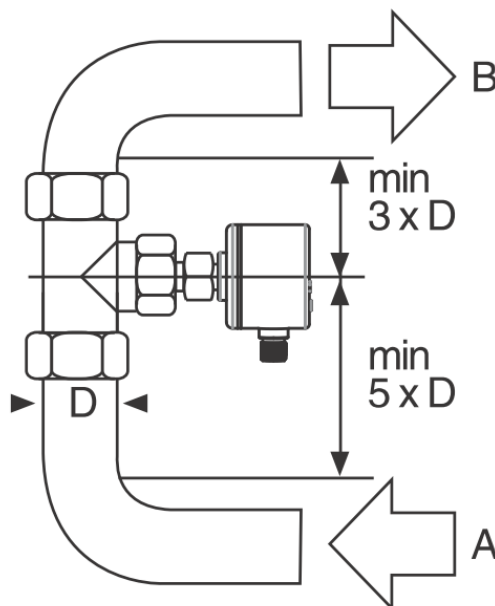
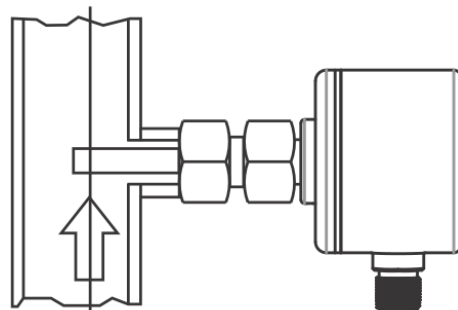


Suggested installation method:

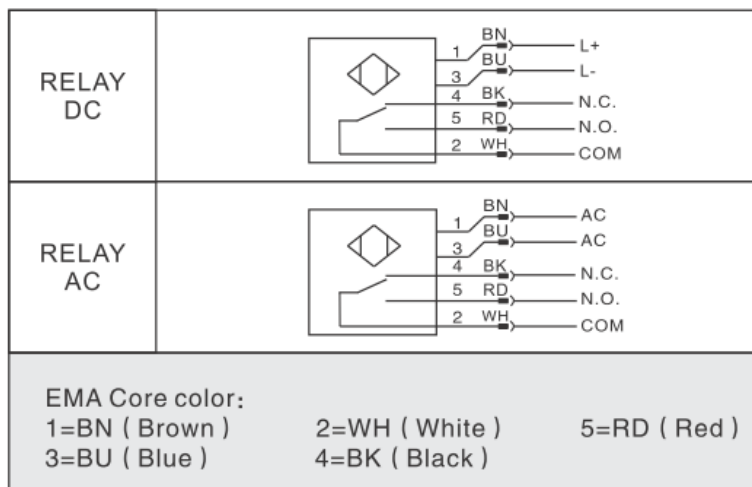
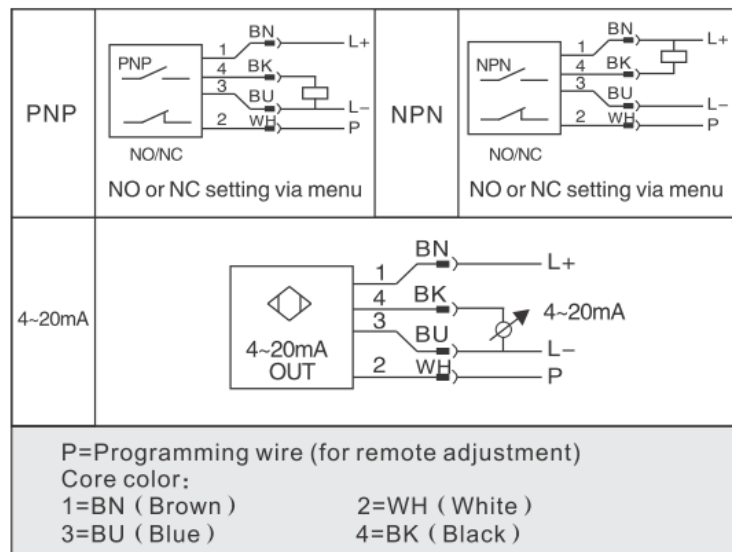
Horizontal Pipe:



Vertical Pipe:

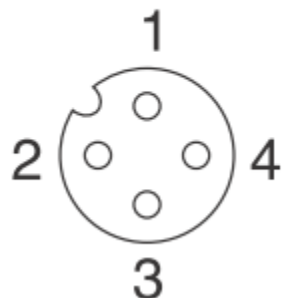


ELECTRICAL CONNECTION



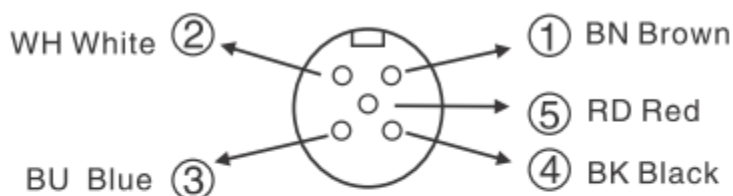
PINOUT CONNECTION

• 4 PIN



PIN1: L+,Positive pole (BN)
 PIN2: P,Programming wire (WH)
 PIN3: L-, Negative pole (BU)
 PIN4: PNP/NPN output (BK)

• 5 PIN



PIN1: L+,Positive pole (BN)
 PIN2: Relay COM (WH)
 PIN3: L-,Negative pole (BU)
 PIN4: Relay NC (BK)
 PIN5: Relay NO (RD)

ORDER CODE

AI.GL-ECooling	GAS and LIQUID FLOW SWITCH			
VERSION				
T: versione configurabile tramite tasti				
P: versione configurabile tramite potenziometro				
POWER SUPPLY				
1: 24VDC 2: 220VAC (disponibile solo con uscita SPDT)				
PROCESS CONNECTION				
1: 1/2"GAS-M 2: 1/2"NPT-M 3: M20X1.5 4: Personalizzato				
OUTPUT				
5: 1 contatto SPDT				
6: 1 uscita NPN				
7: 1 uscita PNP				
8: 4mA~20mADC				
ROD PLUNGE LENGTH (UNDER THREAD)				
L1: 45mm				
L2: 100mm				
L3: 200mm				
L*: personalizzato				
DIRECT CABLE OUTPUT (M12 CONNECTOR)				
D: uscita dritta				
A: uscita angolare				
CABLE LENGTH				
02: 2 m				
05: 5 m				
10: 10 m				
CABLE MATERIAL				
R: PUR				
C: PVC				
S: PVC (con cavo schermato)				

N.B.: when choosing the bar immersion length, consider 12mm thread height to be added to the chosen length

ESEMPIO CODICE DI ORDINAZIONE:

	Version	Supply	Process connection	Outputs	Length	Cable exit	Lenght Cable	Material
AI.GL-ECooling	T	1	1	5	L1	A	02	R

Code description:

AI.GL-ECooling Flow switch for gases and liquids

T: version configurable via keys

1: 24VDC power supply

1: process connection 1/2"GAS-M

5: 1 SPDT contact

L1: bar immersion length 45mm

A: angular exit

02: 2 m

R: PUR



ASIT ITALIA S.R.L.

Sede operativa e Uffici
Via Quintino Sella, 6
10020 Riva presso Chieri (TO)
T (+39) 011 198 218 39 - F (+39) 011 198 371 06

INFO@ASIT-GE.COM

WWW.ASIT-GE.COM