

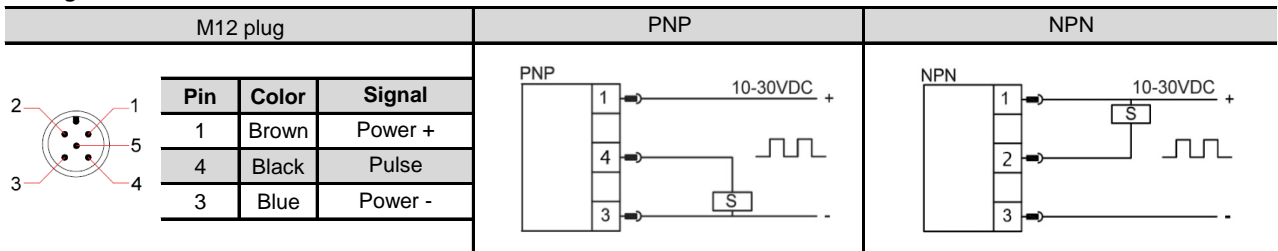
Electronics for Positive Displacement Flow Meter S2000D Series - Dual-sensor

1). Single Pulse Output with 4 X Pulse Resolution



Specifications	
Power supply	10...30VDC
No load current	<9mA
Output	Push-Pull (PNP / NPN)
Reverse polarity protection	Yes
Short circuit protection	Yes
Ambient temperature	-40...185°F (-40...85°C)
Probe operating temperature	-40...210°F (-40...100°C) -40...300°F (-40...150°C) -40...450°F (-40...230°C)
Electrical connection	M12 x 1 plug
Protection class	IP67

Wiring



2). Dual-pulse Output (Quadrature signal with 90° phase shift)



Specifications

Power supply	10...30VDC
No load current	<9mA
Output	Push-Pull (PNP / NPN)
Reverse polarity protection	Yes
Short circuit protection	Yes
Ambient temperature	-40...185°F (-40...85°C)
Probe operating temperature	-40...210°F (-40...100°C) -40...300°F (-40...150°C) -40...450°F (-40...230°C)
Electrical connection	M12 x 1 plug
Protection class	IP67

Wiring

M12 plug			PNP	NPN
	Pin	Color	Signal	
	1	Brown	Power +	
	2	White	Pulse	
	4	Black	Pulse	
	3	Blue	Power -	

3). 4...20mA Output with Flow Directional Detection



Specifications

Power supply	10...30VDC
No load current	<9mA
Output	4...20mA + switch signal (for flow direction)
Reverse polarity protection	Yes
Short circuit protection	Yes
Ambient temperature	-40...185°F (-40...85°C)
Probe operating temperature	-40...210°F (-40...100°C) -40...300°F (-40...150°C) -40...450°F (-40...230°C)
Electrical connection	M12 x 1 plug
Protection class	IP67

Wiring

M12 plug			PNP	NPN
	Pin	Color	Signal	
	1	Brown	Power +	
	2	White	4...20mA	
	4	Black	Switch output	
	3	Blue	Power -	

4). -10...10V Output



Specifications

Power supply	10...30VDC
No load current	<9mA
Output	-10...10V
Reverse polarity protection	Yes
Short circuit protection	Yes
Ambient temperature	-40...185°F (-40...85°C)
Probe operating temperature	-40...210°F (-40...100°C) -40...300°F (-40...150°C) -40...450°F (-40...230°C)
Electrical connection	M12 x 1 plug
Protection class	IP67

Wiring

M12 plug	-10...10V
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Pin	Color	Signal
1	Brown	Power +
2	White	Output
3	Blue	Power -

Dimensions in mm

For Flow Meters Measuring Range Up To

7 GPM	20 GPM	60 GPM

Order code**1. Model**

S2000D- Dual-sensor for positive displacement flow meter

2. Output

P1 Single pulse output with 4 x pulse resolution
P2 Dual-pulse Output
A 4...20mA with Flow Directional Detection
V -10...10V

3. Temperature

T1 -40...210°F (-40...100°C)
T2 -40...300°F (-40...150°C)
T3 -40...450°F (-40...230°C)