

S2000 Series Electronics for Positive Displacement Flow Meter

1. Pulse output



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...98°C) -40...300°F (-40...148°C) -40...450°F (-40...232°C)
Electrical connection	M12 x 1 plug
Protection class	IP67
Certification	ISO 9001; CE

Wiring

M12 plug	PNP	NPN												
<table border="1"> <thead> <tr> <th>Pin</th><th>Color</th><th>Signal</th></tr> </thead> <tbody> <tr> <td>1</td><td>Brown</td><td>Power +</td></tr> <tr> <td>4</td><td>Black</td><td>Pulse</td></tr> <tr> <td>3</td><td>Blue</td><td>Power -</td></tr> </tbody> </table>	Pin	Color	Signal	1	Brown	Power +	4	Black	Pulse	3	Blue	Power -		
Pin	Color	Signal												
1	Brown	Power +												
4	Black	Pulse												
3	Blue	Power -												

Dimensions in mm



2. Linearized pulse output



Specifications

Power supply	12...30VDC
No load current	<20mA
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...98°C) -40...300°F (-40...148°C) -40...450°F (-40...232°C)
Electrical connection	M12 x 1 plug
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Wiring

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Dimensions in mm



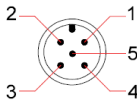
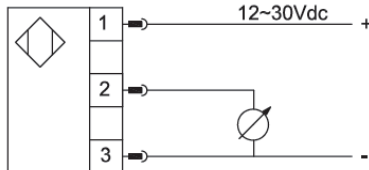
3. Linearized Analog output (4...20mA)



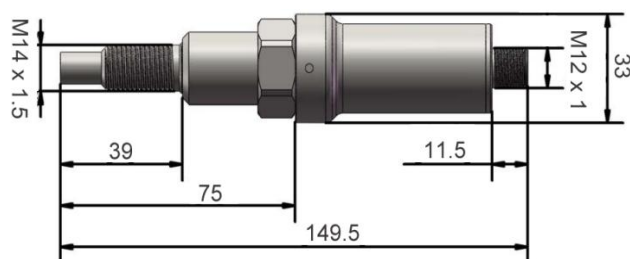
Specifications

Power supply	10...30VDC
No load current	<12mA
Output	3-wire 4...20mA
Reverse polarity protection	Yes
Short circuit protection	Yes
Ambient temperature	-40...185°F (-40...85°C)
Probe operating temperature	-40...210°F (-40...98°C) -40...300°F (-40...148°C) -40...450°F (-40...232°C)
Electrical connection	M12 x 1 plug
Protection class	IP67
Certification	ISO 9001; CE

Wiring

M12 plug			4...20mA												
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Pin	Color	Signal													
1	Brown	Power +													
2	White	Analog output													
3	Blue	Power -													

Dimensions in mm



Order**1. Model**

S2000- Sensor for or positive displacement flow meter

2. Output

P1 Pulse output

P2 Linearized pulse output

A 4...20mA

3. Temperature

T1 -40...210°F (-40...98°C)

T2 -40...300°F (-40...148°C)

T3 -40...450°F (-40...232°C)