

S1000 Series Electronics for Turbine Flow Meters

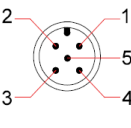
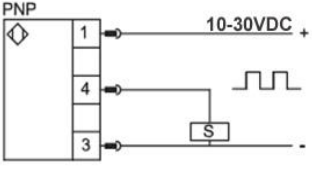
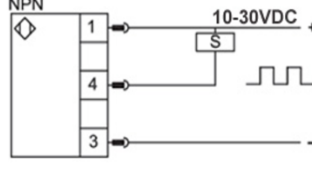
1. Pulse output



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

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



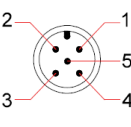
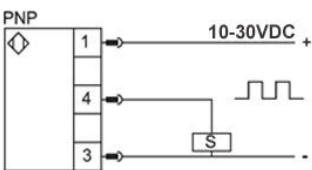
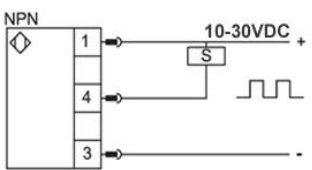
2. Linearized pulse output



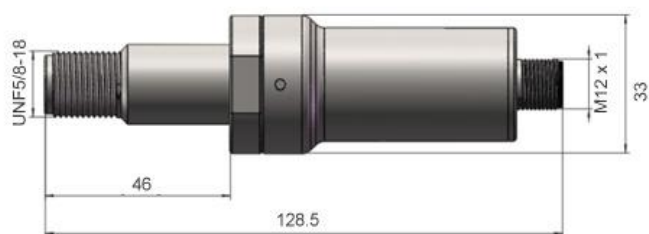
Specifications

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
Protection class	IP67

Wiring

M12 plug	PNP	NPN												
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Dimensions in mm



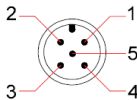
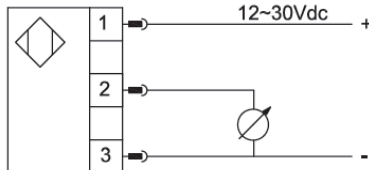
3. Linearized analog output (4...20mA)



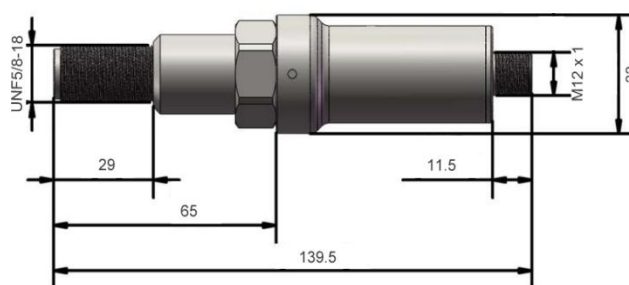
Specifications

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

Wiring

M12 plug			4...20mA												
	<table><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>2</td><td>White</td><td>Analog output</td></tr><tr><td>3</td><td>Blue</td><td>Power -</td></tr></tbody></table>	Pin	Color	Signal	1	Brown	Power +	2	White	Analog output	3	Blue	Power -		
Pin	Color	Signal													
1	Brown	Power +													
2	White	Analog output													
3	Blue	Power -													

Dimensions in mm



Order code**1. Model**

S1000- Electronics for Turbine Flow Meter

2. Pickup

M Magnetic (standard)
H Hall effect
R RF

3. Output

P1 Pulse output
P2 Linearized pulse output
A 4...20mA

4. Temperature

T1 -40...210°F (-40...98°C)
T2 -40...300°F (-40...148°C)
T3 -40...450°F (-40...232°C)