S1000 Series Electronics
for Turbine Flow Meters

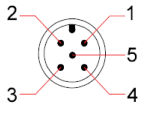
1. Pulse output



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…212°F (-40…100°C)
	-40…302°F (-40…150°C)
	-40…446°F (-40…230°C)
Electrical connection	M12 x 1 plug
Protection class	IP67
Certification	ISO 9001; CE

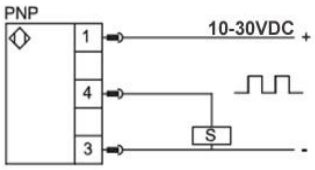
Wiring

M12 plug

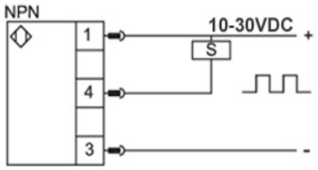


Pin	Color	Signal
1	Brown	Power +
4	Black	Pulse
3	Blue	Power -

PNP



NPN



Dimensions in mm



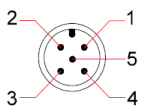
2. Linearized pulse output



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…212°F (-40…100°C)
	-40…302°F (-40…150°C)
	-40…446°F (-40…230°C)
Electrical connection	M12 x 1 plug
Protection class	IP67
Certification	ISO 9001; CE

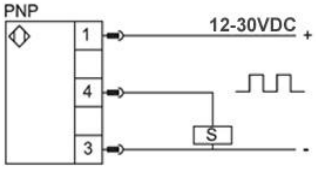
Wiring

M12 plug

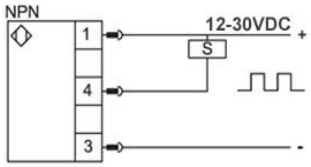


Pin	Color	Signal
1	Brown	Power +
4	Black	Pulse
3	Blue	Power -

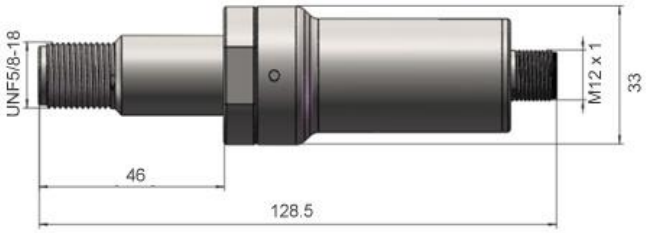
PNP



NPN



Dimensions in mm



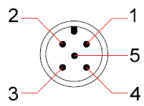
3. Linearized analog output (4…20mA)



Specifications	
Power supply	12…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…212°F (-40…100°C)
	-40…302°F (-40…150°C)
	-40…446°F (-40…230°C)
Electrical connection	M12 x 1 plug
Protection class	IP67
Certification	ISO 9001; CE

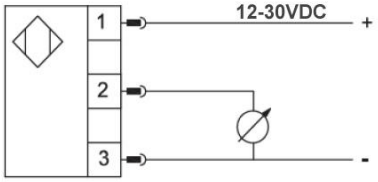
Wiring

M12 plug

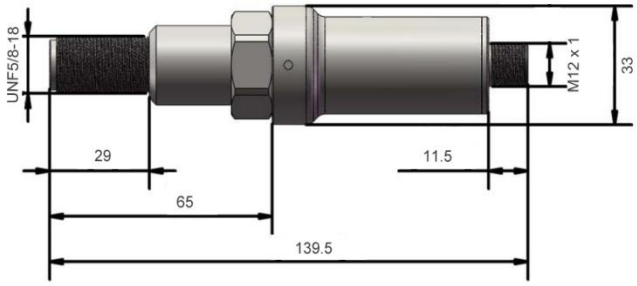


Pin	Color	Signal
1	Brown	Power +
2	White	Analog output
3	Blue	Power -

4…20mA



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…212°F (-40…100°C)
T2	-40…302°F (-40…150°C)
T3	-40…446°F (-40…230°C)