

Features

- Pressure Ranges 10, 16, 25, 30, 40, 50, 100, 150, 200, 250, 350, 400 bar
- Infinite resolution
- IP 67

RS PRO Motion Control Sensor

Pressure Transmitter

RS Stock No. 0309747



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

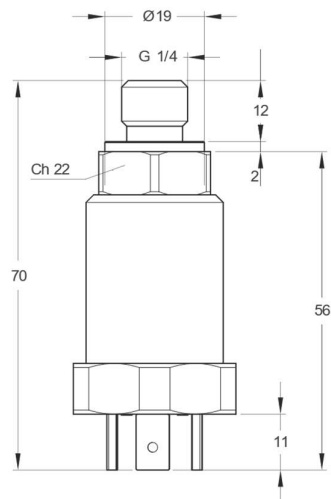
Product Description

OPTC series designed as compact, high robust, accurate pressure transmitter, up to 600 bar pressure measuring range.

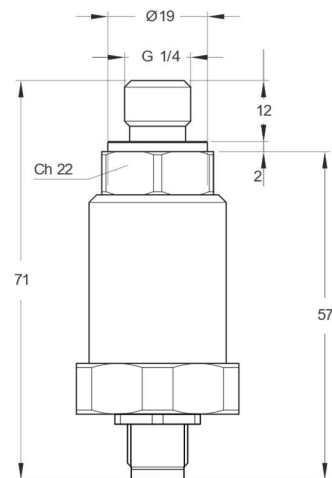
This series of RS PRO pressure transmitters provides absolute pressure rating feedback for a wide range of industrial applications.

Mechanical Specifications

CH1 Connector Output



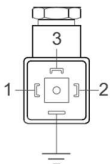
CN4A: M12, 4 Pin Connector Output



Connectors / Cable

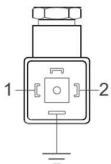
Connector

Connector type CH1



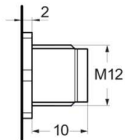
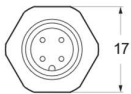
Voltage	
1	GND
2	Vout
3	+Vs

Connector type CH1



Current	
1	+Vs
2	Iout

Round Type Connector



Voltage output	
1	GND
2	Vout
3	+Vs

Current output	
1	+Vs
2	Iout

Cable

Voltage output	
+Vs	Brown
0V	Blue
Vout	Yellow

Current output	
+Vs	Brown
Iout	Blue

General Specifications

Range	10, 16, 25, 30, 40, 50, 100, 150, 200, 250, 350, 400 bar
Output signal	4-20 mA (2-wire), 0-10V (3-wire) 0,5 – 4,5V // 0,1 – 1 0,1V 1 – 10V // 0,1 – 5,1V (custom designs)
Accuracy - Linearity	Typ : $\pm 0,25\%$ FS (BFSL method) (1) Max. : $\pm 1\%$ FS /BFSL method) (2)
Resolution	Infinite
Update time	<1 ms
Overpressure range	2x pressure range
Burst pressure	3x pressure range
Power supply	8-24 VDC or 12-28 VDC
Power consumption	Max: 20 mA, <8 mA
Insulation resistance	>1500 Mohm @250 VDC
Case material	Stainless steel
Protection level	IP 67
Electrical connections	Reverse polarity
Storage temperature	-40°C ... +80°C

Approvals

Declarations	CE, UKCA, ROHS, REACH
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Ordering Codes

RS PRO Part Number	MPN	Mechanical thread	Pressure Range	Output	Connector / Cable
	0309696	G 1/2	10 bar	4..20mA	4pin DIN connector
	0309698	G 1/2	100 bar	4..20mA	4pin DIN connector
	0309699	G 1/2	16 bar	4..20Ma	4pin DIN connector
	0309700	G 1/2	16 bar	4..20mA	4pin M12 Round Connector
	0309702	G 1/2	2.5 bar	4..20mA	4pin DIN connector
	0309703	G 1/2	25 bar	4..20mA	4pin DIN connector
	0309705	G 1/2	40 bar	4..20mA	4pin DIN connector
	0309706	G 1/2	6 bar	4..20mA	4pin DIN connector
	0309707	G 1/2	6 bar	4..20mA	6pin M16 Round Connector
	0309712	G 1/4	10 bar	4..20mA	4pin DIN connector
	0309713	G 1/4	10 bar	0..10V dc	4pin DIN connector
	0309715	G 1/4	10 bar	0..10V dc	4pin M12 Round Connector
	0309716	G 1/4	10 bar	0.5V dc	4pin DIN connector
	0309718	G 1/4	100 bar	4..20mA	4pin DIN connector
	0309719	G 1/4	100 bar	4..20mA	4pin M12 Round Connector
	0309721	G 1/4	100 bar	0..10V dc	4pin DIN connector
	0309722	G 1/4	100 bar	0..10V dc	4pin M12 Round Connector
	0309724	G 1/4	16 bar	4..20mA	4pin DIN connector
	0309725	G 1/4	16 bar	0..10V dc	4pin DIN connector

RS PRO Part Number	MPN	Mechanical thread	Pressure Range	Output	Connector / Cable
	0309727	G 1/4	16 bar	0..10V dc	4pin M12 Round Connector
	0309728	G 1/4	16 bar	0..5V dc	4pin DIN connector
	0309729	G 1/4	160 bar	0..10V dc	4pin M12 Round Connector
	0309730	G 1/4	2.5 bar	4..20mA	4pin DIN connector
	0309731	G 1/4	25 bar	4..20mA	4pin DIN connector
	0309733	G 1/4	25 bar	4..20mA	4pin M12 Round Connector
	0309734	G 1/4	25 bar	0..10V dc	4pin DIN connector
	0309735	G 1/4	25 bar	0..5V dc	4pin DIN connector
	0309737	G 1/4	250 bar	4..20mA	4pin DIN connector
	0309738	G 1/4	250 bar	4..20mA	4pin M12 Round Connector
	0309740	G 1/4	250 bar	0..10V dc	4pin DIN connector
	0309741	G 1/4	250 bar	0..10V dc	4pin M12 Round Connector
	0309743	G 1/4	30 bar	0..10V dc	4pin M12 Round Connector
	0309744	G 1/4	4 bar	4..20mA	4pin DIN connector
	0309746	G 1/4	4 bar	0..10V dc	4pin DIN connector
	0309747	G 1/4	40 bar	4..20mA	4pin DIN connector
	0309749	G 1/4	40 bar	0..10V dc	4pin M12 Round Connector
	0309750	G 1/4	400 bar	4..20mA	4pin DIN connector
	0309752	G 1/4	400 bar	4..20mA	4pin M12 Round Connector

RS PRO Part Number	MPN	Mechanical thread	Pressure Range	Output	Connector / Cable
	0309753	G 1/4	400 bar	0..10V dc	4pin M12 Round Connector
	0309709	G 1/4	6 bar	4..20mA	4pin DIN connector
	0309711	G 1/4	6 bar	4..20mA	4pin M12 Round Connector