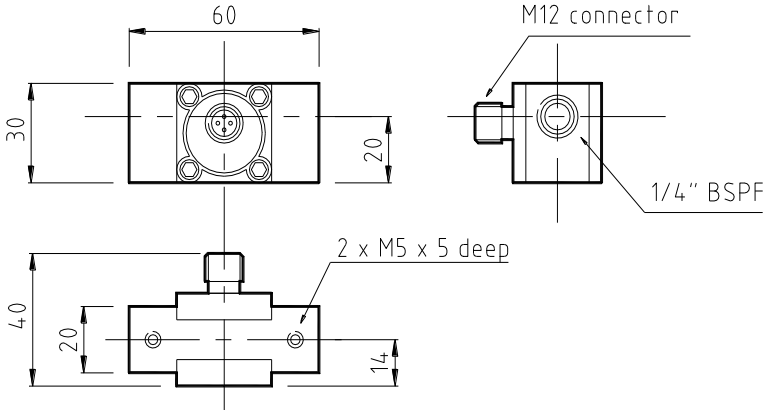
TITAN ENTERPRISES LTD.

900 SERIES DATA SHEET

Low cost
PVDF or St St body
1- 2% FSD or ±0.75% reading*
Sapphire bearings
Hall effect sensor
6 Flow ranges
Pulse output
10 Bar rating
Viton seal as std.
1/4" BSP connections
0.1% Repeatability
4.5 to 24 V dc
125°C Max
Flow switch option
***When used with Metra-smart instrument.**

Ideal for
Laboratory tests
Cooling equipment
Active flow alarms
Semiconductor plant
Engine test

The 900 series flowmeter is designed to give high performance and competitive pricing with 6 flow ranges from 0.05 to 15 litres per minute. Its choice of materials makes this the ideal choice for the metering of aggressive chemicals including ultra -pure water. The standard inlets are 1/4" BSP F although for OEM use alternatives are available. The bearings are made of sapphire for long life and reliability, the body is either PVDF or 316 stainless steel and as standard and the 'O' ring seal is typically Viton™. There are two temperature options 125°C or 60°C. The 60°c unit is fitted with two LEDs to monitor the power and pulse output, both NPN and PNP transistor outputs are available on each flowmeter.



TITAN ENTERPRISES LTD.

Coldharbour Business Park,
Sherborne,
Dorset,
DT9 4JW
Phone (44) 01935 812790.
Fax (44) 01935 812890
Web www.flowmeters.co.uk
Sales@flowmeters.co.uk

Order Codes

Flow range 903
915
945
965
910
924

'O' ring mt'l **V** - Viton
N - Nitrile
E - EPDM
S - Silicon

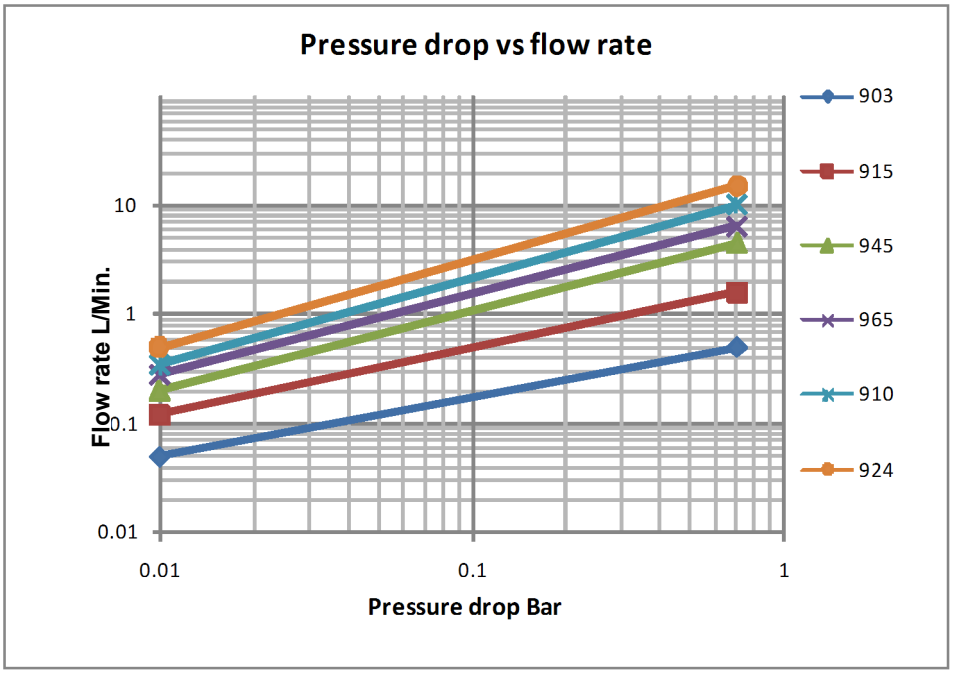
Flow switch **O** - Standard
1 - Flow sw
2 - 60°C NPN/PNP

Body mt'l **P** - PVDF
S - 316 St St
O - Special

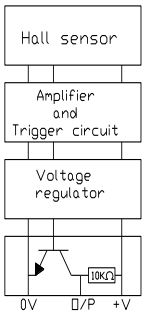
OEM code **O** - Standard
U - Uncali-brated

e.g. ***965-V O P-O*** *is a flow range of 0.25 to 6.5 L/Min, viton seal , standard, 125°C, PVDF bodied flow-meter with a 6 point traceable water calibration.*

Model	Flow range L/Min	Linearity % FSD	Typical Freq. Hz.	Approx 'K' Factor
903	0·05-0·5	2.0	142	17000
915	0·12-1·5	2.0	175	7000
945	0·2-4·5	1.5	260	3500
965	0·25-6·5	1.5	230	2100
910	0·3-10	1.0	235	1420
924	0·5-15	1.0	245	980



At the heart of the meter is a precision turbine that rotates freely on robust sapphire bearings and contains chemically resistant ceramic magnets that are detected through the chamber wall by a Hall effect detector. The output is a stream of pulses that are readily interfaced with most electronic display or recording devices. This combination of materials and technology ensures a long life product with reliable operation throughout.



Sensor block diagram

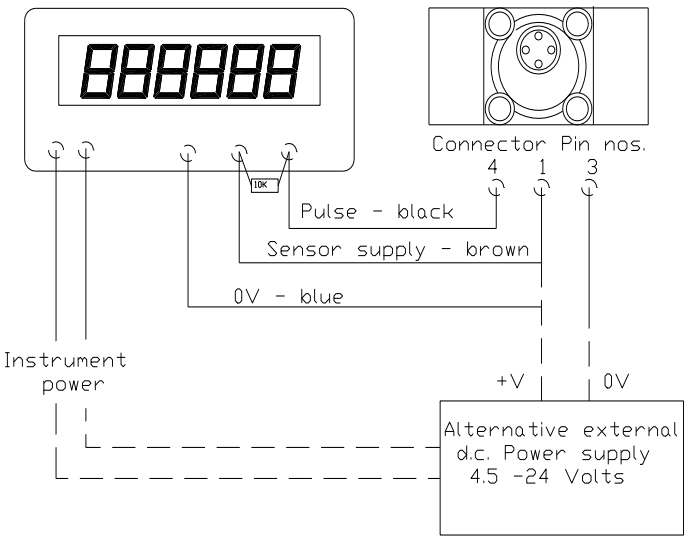
Standard Materials of construction

Body and cap - St St - PVDF

'O' Ring seal - Viton

Magnets - Ceramic

Bearings - Sapphire



Titan Enterprises Ltd, Coldharbour Business Park, Sherborne, Dorset, DT9 4JW, England. Tel 01935 812790 Fax 01935 812890 . www.flowmeters.co.uk