

PD 1050 Oval Gear Flowmeter

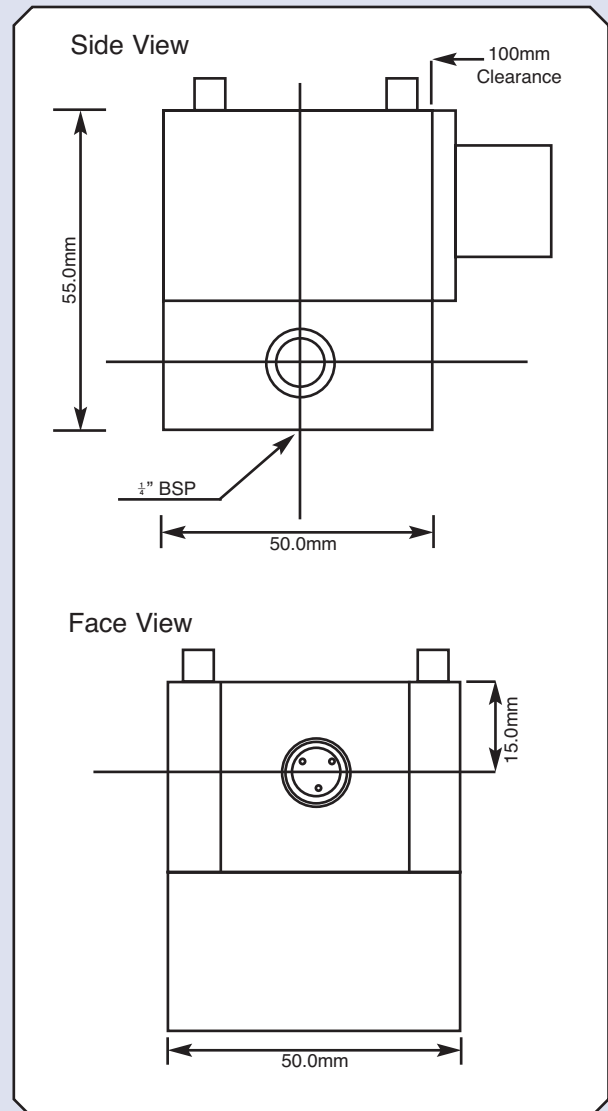
PD 1050

The PD1050 oval gear meter works by using the differential pressure generated across the body to drive a pair of oval gears. This rotation can be detected by a variety of means to give either a TTL or NAMUR compatible pulse output. The unit is manufactured in a choice of materials and pressure ratings to suit most applications and as with all positive displacement flowmeters, the accuracy improves with increasing viscosity.

SPECIFICATION

Maximum Flow Rate	Up to 1 L/min (see note 1)
Connections	$\frac{1}{2}$ " BSP female
Materials	Flow Meter Aluminium, Brass or St Steel
	Oval Gears Peek
	Spindle 316 Stainless Steel
	Bearings PEEK
	"O" rings Viton
Maximum Pressure	20 Bar Standard, Specials up to 400 Bar
Maximum Temp	70°C standard, 100°C option
Linearity	$\pm 0.5\%$ FSD
Repeatability	$\pm 0.1\%$
Supply Voltage	4.5 to 25 VDC, 8V for NAMUR sensor
Electrical Connection	Via plug and socket
Sensor Types	Hall effect, Reed switch or NAMUR

Note: Minimum and Maximum flow rates are dependent on the viscosity



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Head Office: 2 Downgate Drive, Sheffield, S4 8BT, England
Tel: +44(0)114 244 2521 Fax: +44(0)114 243 4838



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RM&C Roxspur
Measurement
& Control Ltd

10 Campbell Court, Bramley, Tadley, Hampshire, RG26 5EG, England
Tel: +44(0)1256 884901 Fax: +44(0)1256 882986
email: sales@roxspurmc.co.uk www.controlsdirect.com



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