

The Hastel Rotary Magnetic Gauge is a magnetically coupled sensor which is a drop in replacement for the face on many popular mechanical systems.

The design employs quadrature encoding rather than field strength which prevents a drop off in accuracy over time unlike other methods.

The output has user selectable compensation for cylindrical or linear tanks



Type	RMG
Gauge	
Fits	Rochester, Squibb Taylor, Sherwood, Kotrako, Cavagna etc.
Markings	5% to 95% cylindrical and linear.
Accuracy	+/- 1% resolution (the existing float mechanism determines accuracy).
Size	37/42mm diameter x 16.5mm deep.
Cable	200cm standard. Available up to 1000cm.
Enclosure	Waterproof, impact resistant clear polycarbonate.
Electronics	
Supply Voltage	3.6V to 5.5V DC.
Output	Ratiometric - 5% to 95% of the supply voltage (cylinder or linear switch).
Output impedance	100 ohms.
Ambient temperature	-40°C to +85°C.
Supply Current	< 25mA
Connections	
Blue	0V (ground)
Red*	Supply
Yellow**	Output
Green	Tank shape selector. Connect to ground for linear or supply for cylinder.
Options	
Senior Adapter	Allows attachment to Rochester Senior gauge mechanisms. SGSA-001
Extended cable 5 M	RMG-500
Extended cable 10 M	RMG-1000
*	Do not reverse the supply. This will damage the unit.
**	Do not drive voltage into the yellow wire. This will damage the unit.