



GEAR CUT - Flexion

This easy to install device has an overall dimension, including threads, of only 47mm and is particularly suited for applications such as gear levers, connecting rods, etc.

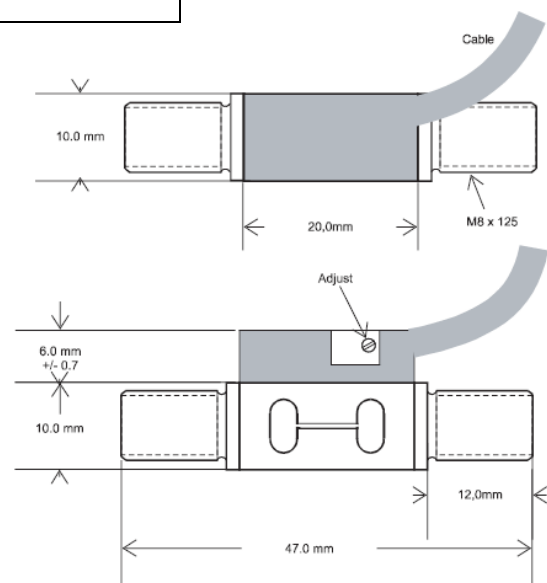
It is manufactured in stainless steel, finished with M8 threads and weighs only 30g. It will work with a supply voltage between 5 and 16V and can be powered directly from the chassis wiring system.

Output is either $\pm 2V$ analogue via a built-in amplifier, or digital with an adjustable threshold. Range is available in 100N increments.

Part Number	GSFM8- Force Value
SENSOR CHARACTERISTICS	
Range	200 to 600 N
Digital On/Off Output	NPN open collector, normally open, max 16V, 20mA. Switched to 0V when detected Must be protected by diode against inductive loads – relays, etc. Debounce Time – 30msec Adjustable Threshold – 50N increments
Analogue Output	Built-in Amplifier
Output	2.5V +/- 2V
ELECTRICAL CHARACTERISTICS	
Supply Voltage	5 to 16V
Current draw	5mA
Standard Supplied Cable ¹	1 mtr ETFE 26AWG STT
Circuit Colours ²	Red +VE, White Sig, Blue Gnd.
Screen Connection	To Case
MECHANICAL CHARACTERISTICS	
Housing	Stainless Steel
Thread	M8
Operating Temperature Range	0 to +80°C
Weight	30g

1. Screened Twisted Triple is available in other specifications if required.
2. Circuit colours may differ with different cables – always check the calibration sheet supplied with each sensor.

For more information, or to place an order, please contact Steve or Tony James at the address below.



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