

Document Number		RG_SPEC-0023	
Title		Gear Position Sensor	
Revision	Date	Prepared By	Change History
1.0	3/19/2012	Chris Brown	Initial release.

This sensor is designed to be a direct replacement for the normal 350 degree rotary potentiometer sensor often used for measuring Gear Position on a sequential gearbox. Rather than being an old style wiper arm potentiometer, it features Hall effect sensing technology. This results in a sensor that won't "wear out" like a potentiometer. The tip of this sensor was made to fit a Hewland gearbox.

Part # M HEWLAND ROT POS

Specifications:

Output: 0.1 to 4.9 Vdc

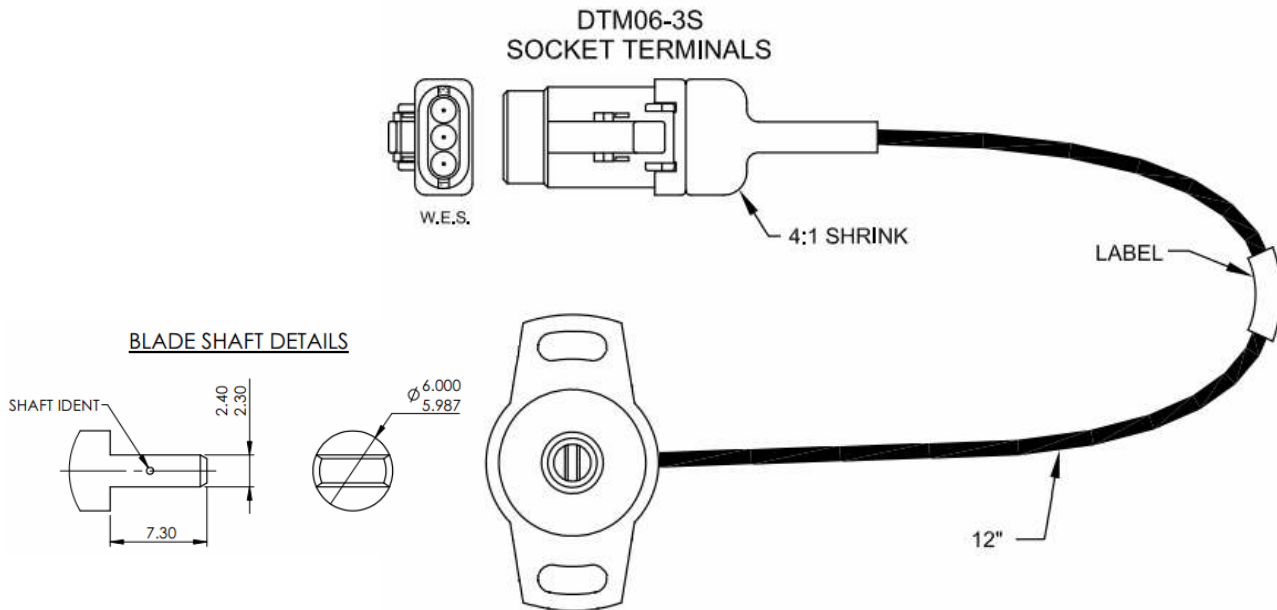
Supply: 5 +/-0.5 Vdc

Max Speed: 3600°/s

Temperature Range: -40°C to 120°C

Sealed to IP68

Weight: 33 grams



Connection:

Mating Connector: DTM06-03P

Part # M DTM 3P

pin 1 – 0 volts (black)

pin 2 – signal (white)

pin 3 – 5 volts (red)

