

Variohm VTP11 Rotary Position Sensor 100 Degree



Brand: Variohm
Product Code: VTP11
Weight: 0.10kg
Dimensions: 5.00cm x 5.00cm x 5.00cm

Price: \$155.00

Short Description

Variohm EuroSensor's new VTP11 rotary position sensor combines well-proven resistive element technology and convenient 8 mm D-shaft mounting in a durable and low cost IP66 rated package that ensures reliable and long-life operation for high performance motorsports especially for throttle position sensing

Description

Variohm's conductive plastic track and multiple fingered wiper assembly has been designed to maintain full sensing contact even in the most arduous shock and vibration conditions. With a 97° measuring range and 5 k Ω throttle range resistance value from a 5...24 VDC input, the VTP11 will suit a wide variety of motorsports and specialist vehicle position sensing applications including throttle, steering angle, suspension and sequential gearbox.

- Simple flange mounting with 8mm 'D' through-hole drive
- Conductive plastic track for durability
- Multi fingered wipers for excellent contact under vibration
- Long life - 5 x 10⁶ cycles
- Sealed to IP66
- Wide temperature range

Equivalent to Jenvey TP11, can also be used in place of Jenvey TP1 or TP8

Specifications

Construction Conductive Plastic Track with multi fingered wipers, ensuring excellent contact under vibration

Life expectancy 5×10^6 cycles

Mechanical rotation 112° max

Electrical rotation $97^\circ \pm 3^\circ$

Supply voltage 5...24 VDC

Resistance Value $5 \text{ k}\Omega \pm 20\%$

Environmental sealing IP66

Temperature range -25 to $+125^\circ\text{C}$ (Peaks of 150°C for 15 mins)

Connector options Various options available

Housing material Glass-filled PBT

Cable type 1-core silicone wire, 20 AWG 256/0.05 copper conductor, O/D: 2.7mm, 3A
1.5kV (208 mm long)