

Variohm XP2800 Non-Contact Rotary Position Sensor 100 Degree



Brand: Variohm
Product Code: VARXP2851-710-221-102
Availability: In Stock
Weight: 0.10kg
Dimensions: 5.00cm x 5.00cm x 2.00cm

Price: \$398.75

Short Description

Non-contact (hall effect) rotary position sensors that offer superior reliability and signal quality even in harsh high vibration environments due to the absence of mechanical connections.

Description

Features include:-

Temperature range up to 125 degrees C (short term 150)

Redundant Output

Sealed to IP65 (option IP67)

Programmable angles upto 360 degrees

Specifications

Electrical Data

Measuring Range 100 degrees

Independent Linearity (measured range) +/-0.3%

Repeatability 0.1 degree

Max Hysteresis 0.1 degree
Resolution 12 Bit
Redundant option Yes
availability
Sampling rate 5kHz
Supply Voltage 5Vdc
(options available)
Output Voltage 0.5 - 4.5Vdc

Mechanical Data

Mechanical Range 360 continuous
Max Starting Torque 3Ncm
Max Rotating Speed 120 rpm
Protection class IP65 (option IP67)
Life expectancy (min) 50 million cycles
Temperature Range 125 degrees C
(short term 150)

Applications

Throttle Position in harsh motorsport environments.