

# 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.