

Datasheet

RS Pro Analogue Magnetic Pickup, 2.5 mm Detection Range, 10 V

RS Stock No: **304-166**



Product Details

RS Pro analogue PNP magnetic pickup has a detection range of 2.5 mm and supply voltage of 10 V. It is suitable for use in a wide range of sensing applications. This analogue-output style transducer is available in three sizes 1/4 Inch (std.), 3/8 Inch (high o/p) and 5/8 Inch (heavy duty). It offers an inexpensive solution wherever a simple alternating waveform corresponding to movement past the pole piece is required. This is a passive device requiring no external power. It yields an output voltage in response to variations in the self-induced magnetic field caused by proximity to moving ferrous metal part. It is steel encased for ruggedness and is supplied with two fixing nuts.

Features and Benefits

- The output voltage is given for a load of 100 k Ω with a 0.005 Inch air gap at 20 kHz operation
- 2.5 mm detection range
- Operating temperature range of -40 to +100°C
- 22 mm long
- 1/4-28 UNF-2A thread size

**Specifications:**

Body Style	Cylindrical
Detection Range	2.5 mm
Dimensions	6.35 (dia.) x 22 mm
Housing Material	Stainless Steel
Length	22 mm
Maximum Operating Temperature	+100°C
Minimum Operating Temperature	-40°C
Output Type	Analogue
Supply Voltage	10 V
Terminal Type	Wire Lead
Thread Size	1/4-28 UNF-2A