



## Magnetic Pick-Up - P/N 341005 Dual Output - Flush Tip

Aerospace qualified non-contact tachometer sensor

**Designed by Aircraft Engineers for Aircraft Engineers**

### Features

- Manufacture certified for aerospace applications
- Qualified to RTCA/DO-160G
- Dual isolated signal output
- Flush-fit tip
- Fully encapsulated
- Safety wire-locking nuts

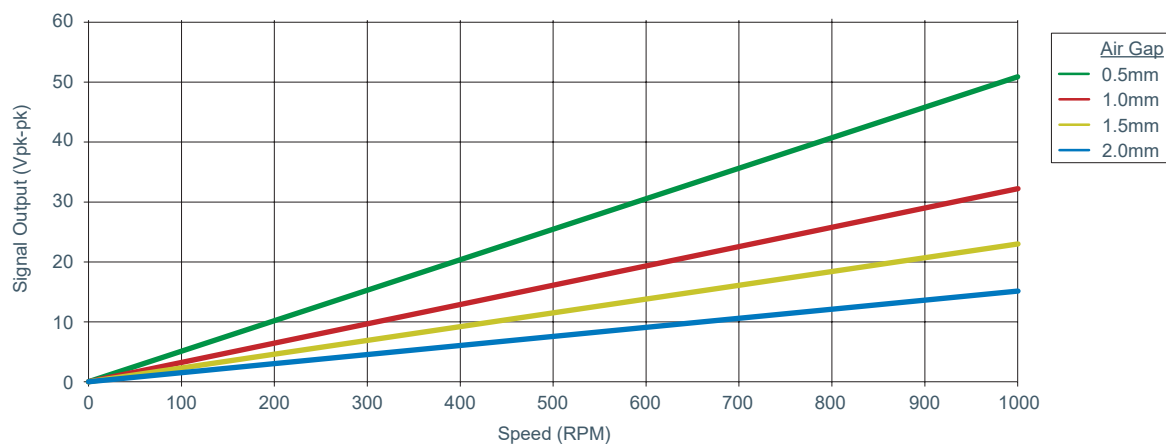
### Description

The Helitune Dual Output Magnetic Pick-Up has been specifically engineered for the collection of non-contact tachometer measurements from rotating aircraft components.

Constructed from aerospace certified stainless steel and qualified to RTCA/DO-160G, it provides a fully encapsulated solution that offers continuous performance in harsh and demanding environments.



### Nominal Signal Output



**Output Signal** - Minimum 9V pk-pk under the following conditions:

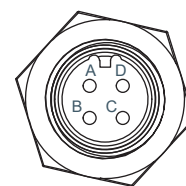
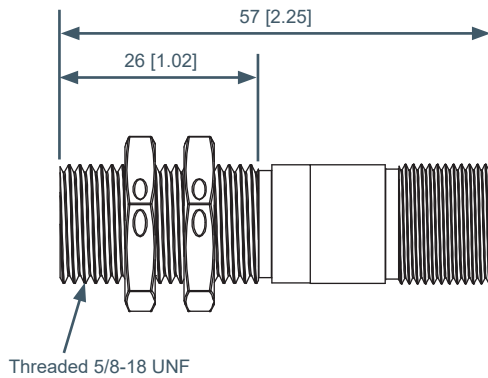
Interrupter Air Gap	0.5mm
Interrupter Velocity	5m/s
Load Resistance	200kΩ

**Coil Specification**

Resistance	560 - 680Ω
Inductance	100 - 150mH

**Mechanical**

Dimensions	Body: L=57mm Ø16mm - Locknut: 21mm AF x 4mm
Weight	60g MAX (including 2 locking nuts)
Operating Temperature	-50°C to +130°C to RTCA/DO-160G Section 4 Cat B4
Operational Shock	6g Sawtooth @ 11ms to RTCA/DO-160G Section 7 Cat B
Vibration	To RTCA/DO-160G Section 8 Cat U2
Crash Safety	20g Sawtooth @ 11ms to RTCA/DO-160G Section 7 Cat B
Material	Stainless steel - BS S130 aerospace certified
Sealing	IP67 Fully encapsulated - Protection against fluids & debris
Connector	Threaded 4-Pin



Pin	Description
A	Sig1 -
B	Sig1 +
C	Sig2 -
D	Sig2 +

Dimensions : mm [in]



Helitune's Quality Management System is certified to BS EN ISO9001 and AS9100

This document is not contractual. Helitune maintain a policy of continuous product development and improvement. This specification may change without notice.

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