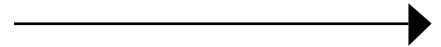


Modulated Carrier (RF) Pickups



Modulated carrier (RF) pickups require coupling with our PA 1001A Series preamp or other modulated carrier amplifiers. When used with the PA1001A preamplifier, they offer square wave output, low speed response, no drag and large air gaps. They also have the ability to sense non ferrous metals like aluminum and stainless steel, in addition to ferrous metals.

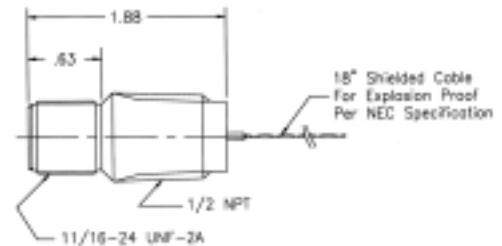
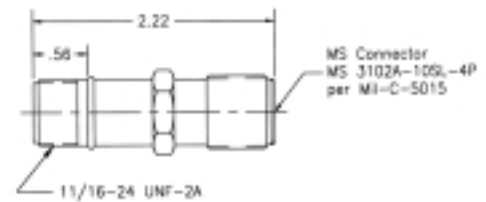
RF pickups are becoming increasingly popular in applications such as turbine flowmetering where it is important to sense small, free spinning devices without including drag on the movement on the rotor. Standard versions of RF pickups have open fronts and are epoxy encapsulated. Models with closed fronts and hermetically sealed versions are also available.



Standard Features and Specifications

- Modulated carrier type
- 300 series stainless steel enclosure
- Epoxy encapsulation
- 2 pin gold plated connector
(mate: MS3106-10SL-4P)
- Inductance: 1mH \pm 10%
- DC resistance 10.5 ohms \pm 10%
- IR leakage: minimum of 50 megaohms @ 50 Vdc
- Temperature range -100°F to 400°F (-74°C to 204°C)
- High shock and vibration resistant
(impact: 25 G's min.; vibration: 2 G's at 2000 Hz min.)

Dimensions:



Ordering Information

Model No.	Comments
RF-1	2 pin connector
RF-1EX	Explosion proof

In addition to the above-specified pickups, Flowmetrics can make these pickups in other lengths, configurations, mounting thread as well as with options like pigtail lead, NPT thread for explosion proof applications, etc.