

Humbucking Magnetic Pickups

Humbucking pickups are dual coil versions of premium series pickups and feature the same materials and construction methods. These pickups offer very high resistance to electrical interference with little or no loss in signal strength.

Humbucking pickups must be used with differential amplifier to condition and isolate the signal and eliminate unwanted electrical interference. They have the ability to cancel out most extraneous noise that is generated by motors, pumps, overhead lines or other electrical devices that often create signal problems.

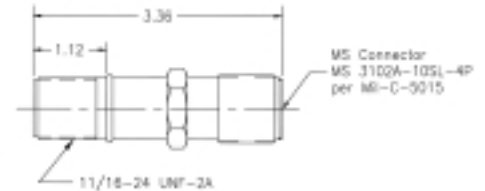
Humbucking pickups are available in standard and low drag versions and can be customized to satisfy specific requirements including gauss strengths, hermetic sealing, mounting threads, interconnection type, pickup housing shape/length, etc.



Standard Features and Specifications

- Variable reluctance or inductive type
- Magnet that resists demagnetization
- 300 stainless steel housing (locknut included)
- 2 pin, gold plated, glass sealed connector
- (mate:MS3106-10SL-4P)
- Hermetically sealed, heli-arc welded construction
- Wide temperature range -450°F to 450°F (-270°C to 232°C)
- High signal output
- IR leakage: 100 megaohms @ 100 Vdc minimum
- Shock and vibration resistant
(impact: 25 G's min.; vibration: 2 G's at 2000 Hz min.)

Dimensions:



Ordering Information

	Model No.	Resistance (Ohm)	Inductance (Henry)	Gauss Strength
Standard Drag	PC24-128G	3600	2.2	850
Low Drag	PC24-85G	2800	3	350

Intrinsically Safe Magnetic Pickups

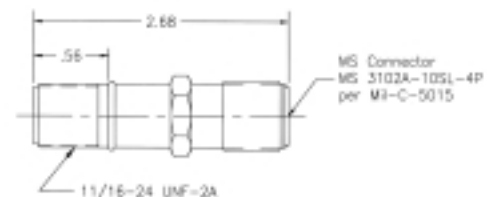
Intrinsic safety is an increasingly popular approach for a large number of customers. Our certification allows us to make intrinsically safe versions of almost any pickup we offer. Intrinsically safe pickups certified by CSA (with NRTL/C) and CENELEC for the most stringent hazardous locations (listed below).

Intrinsically safe models feature high quality construction and materials. Configurations can be customized to satisfy specific requirements including gauss strengths, hermetic sealing, mounting threads, interconnection type, pickup housing shape/ length, etc.

Standard Features and Specifications

- variable reluctance or inductive type
- 300 stainless steel housing
- 2 pin connector (mate:MS3106-10SL-4P)
- temperature range -54°F to 364°F (-65°C to 175°C)
- shock and vibration resistant
- IR leakage: 100 megaohms @ 100 Vdc minimum
- certified intrinsically safe to CSA (with NRTL/C) and CENELEC
- suitable for class I, Zone 0, IIC and Ex ia IIC T6 hazardous locations
- If equipped with MS connector, all units are suitable for class I, Div I, Group ABCD, and Class II Div I, Group G, Class III & coal dust
- If equipped with NPT/pigtail lead combinations, all units are suitable for Class I, Div. I, Group A,B,C,D, and Class II, Div I Group E, F, G, Class III
- Entity Parameters:
Vmax/Ui = 30Vdc; Imax/li = 300 mA
Ci = OuF; Li = OmH

Dimensions:



Ordering Information

	Model No.	Resistance (Ohm)	Inductance (Henry)	Gauss Strength
Standard Drag	PC45-1G	1800	N/A	850
Low Drag	PC45-5G	1380	N/A	150/350
Inductive	PC45-2G	5000	N/A	N/A

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.