

PRODUCT DESCRIPTION

SPECTEC's Digital RF pickup produces a digital frequency output directly proportional to speed. The internal amplifier provides for constant pulse shaping, signal amplitude, near zero speed performance and good sensitivity (air gap). Internal temperature probes are also available.

For intrinsically safe versions, refer to bulletins IS100 and IS101.

SPECIFICATIONS

Vs, Supply Voltage: @ ≤ 10 mA
 7 to 30 Vdc (Std.), or 3.8 to 30 Vdc
 Reverse Polarity Protected

Vo, Signal Out: @ ≤ 20 mA sink
 0 – 10V (Std.)
 0 – 5V (TTL)
 0 – Vs
 (@ ≤ 200 mA for NPN/PNP
 universal sink/source)

Operating Freq.: ≥ 0.5 to ≤ 5000 Hz

Air Gap: ≤ .160"
 Depending on target mass

Rise/Fall Time(N.L.): 0.04 μs / 0.18 μs

Temperature Range: STD: -40° to 257°F (-40° to 125°C)
 HT: -49° to 284°F (-45° to 140°C)
 (see page 2)

Construction: 300 Series stainless steel housing
 Solid epoxy encapsulation

Connectors & Pin Assignments: See Page 2
 All have gold plated contacts

Lead Wire Assignments:
 Red: Supply (+)
 Black: Common (-)
 White: Signal A
 Green: Signal B (dual sensor only)
 Bare: Shield

Temp. Probe, NTC: Red (x2)
 Temp. Probe, RTD: Red (x1) Black (x2)
 Dual black wires are for
 resistance compensation

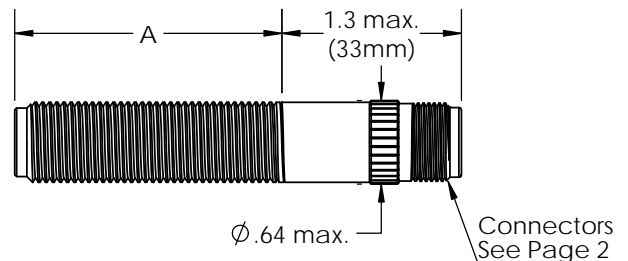
CE-Compliance: EN55011, EN50082-2

Options

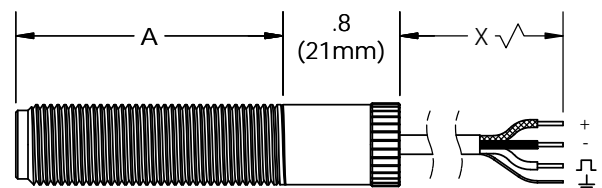
For different length, material of construction, configuration, thread sizes, hermetically sealed, precision custom magnetization, connector and/or cable termination, please contact factory.

For CL 1, Div I & II hazardous location, intrinsically safe, and non-incendive versions; please refer to IS100 and IS101.

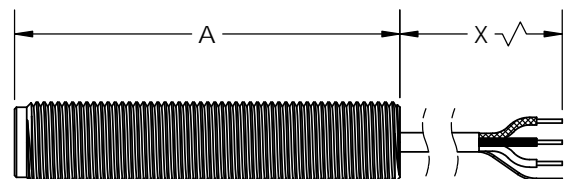
0096 5/8-18 UNF
0096M M16x1.5
0096M1 M16x1.0



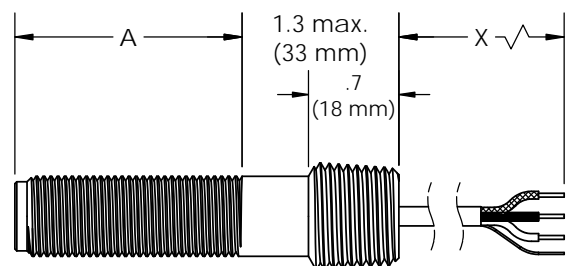
0095 5/8-18 UNF
0095M M16x1.5
0095M1 M16x1.0



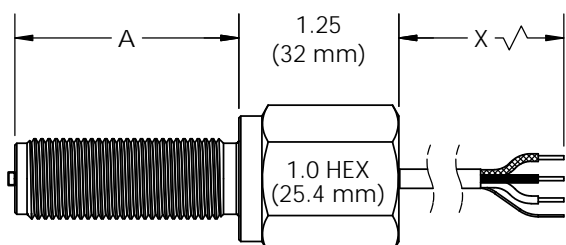
0095A 5/8-18 UNF
0095AM M16x1.5
0095AM1 M16x1.0



0095X 5/8-18 UNF with 1/2-14 NPT Male



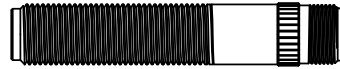
0095Y 5/8-18 UNF with 1/2-14 NPT Female



ORDER INFORMATION

STYLE: OPTIONS: THREADS/DIA.:

0096 - 5/8-18 UNF
 0096M - M16x1.5
 0096M1 - M16x1.0



Thread Length(A):
 0 - 1.25" (36mm)
 1 - 1.75" (45mm)
 2 - 3.0" (76mm)
 3 - 3.5" (89mm)
 4 - 4.0" (102mm)
 5 - 5.0" (127mm)

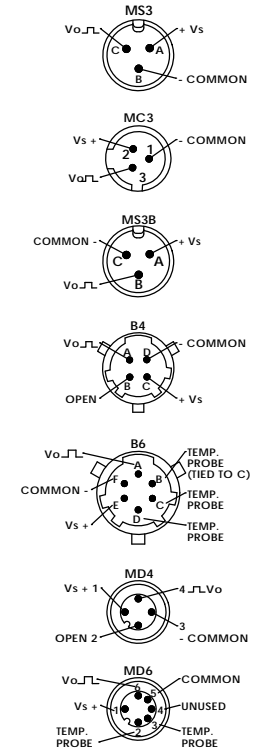
Face:
 0 - Epoxy sealed face (for greater sensitivity)
 1 - Stainless steel face (Blindshell, for harsh environments)

Vo, Vs:
 1 - 0 - 5V, NPN (6 kΩ), Vs 7 - 30 Vdc
 2 - 0 - 10V, NPN (6 kΩ), Vs 11 - 30 Vdc
 3 - 0 - Vs, NPN (6 kΩ), Vs 7 - 30 Vdc
 4 - 0 - Vs, NPN (OC), Open collector, Vs 7 - 30 Vdc
 5 - 0 - Vs, NPN (OC), Open collector, Vs 3.8 - 30 Vdc
 7 - 0 - Vs, NPN (6 kΩ), Vs 3.8 - 30 Vdc
 8 - 0 - 5V, NPN (6 kΩ), Vs 3.8 - 30 Vdc
 9 - 0 - Vs, NPN/PNP Universal sink/source, Vs 7 - 30 Vdc (@ ≤ 200mA)

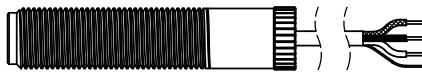
Temperature Range:
 1 - -40° to 257°F (-40° to +125°C)
 2 - -49° to 284°F (-45° to +140°C)
 A - -49° to 284°F (-45° to +140°C) with RTD100Ω
 C - -40° to 257°F (-40° to +125°C) with NTC10kΩ

Connector:
 1 - MS3: 3 Pin MS3106-10SL-3P (See Bulletin 3000)
 2 - MC3: 3 Pin Micro-C (See Bulletin 3004)
 3 - MS3B: 3 Pin MS3102-10SL-3P (See Bulletin 3000)
 4 - B4: 4 Pin Bayonet, MS3113-H8A-4P (See Bulletin 3001)
 5 - B6: 6 Pin Bayonet, MS3111-H10A-6P (See Bulletin 3001)
 7 - MD4: 4 Pin Micro DIN (See Bulletin 3005)
 8 - MD6: 6 Pin Micro DIN (See Bulletin 3005)

CONNECTOR PINOUTS



0095 - 5/8-18 UNF
 0095M - M16x1.5
 0095M1 - M16x1.0



0095A - 5/8-18 UNF
 0095AM - M16x1.5
 0095AM1 - M16x1.0

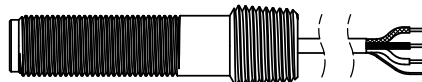


	<u>0095, M, M1</u>	<u>0095A, AM, AM1</u>
Thread Length(A):	0 - 1.25" (30mm)	---
	1 - 1.75" (45mm)	2.0" (51mm)
	2 - 3.0" (76mm)	3.0" (76mm)
	3 - 4.0" (101mm)	4.0" (101mm)
	4 - 5.0" (127mm)	5.0" (127mm)

SAME AS ABOVE

Lead Wire(X):
 (22-24 AWG)
 1 - 1' (.3m) Single Leads
 2 - 2' (.6m) Single Leads
 6 - 2' (.6m) Shielded Cable
 7 - 3' (1m) Shielded Cable
 9 - 10' (3m) Shielded Cable
 Note: For shielded cable, shield is not connected to sensor shell, and is intended to be connected to instrument ground.

0095X - 5/8-18 UNF with 1/2-14 NPT Male
 0095Y - 5/8-18 UNF with 1/2-14 NPT Female



	<u>0095X</u>	<u>0095Y</u>
Thread Length(A):	2 - 1.3" (33mm)	2.0" (51mm)
	3 - ---	2.8" (71mm)
	4 - ---	4.0" (102mm)

SAME AS ABOVE

