

PRODUCT DESCRIPTION

SPECTEC's RF pickups are active sensors driven by an external RF "carrier" signal conditioner. Together they complete an oscillating circuit. The output of this circuit is amplitude modulated when a ferrous object passes by the pickup coil. This change in modulation of the carrier frequency is then converted into a square wave pulse by the signal conditioner.

RF4 pickups are designed to work with the applicable SPECTEC, Cox F&P, and other carrier signal conditioners.

RF10 pickups work with the applicable SPECTEC, FTI, Hoffer, Sponsler, and other carrier signal conditioners.

An optional internal temperature probe is positioned near the face of the sensor.

For intrinsically safe versions refer to bulletins: IS70/71 & IS100/101

SPECIFICATIONS

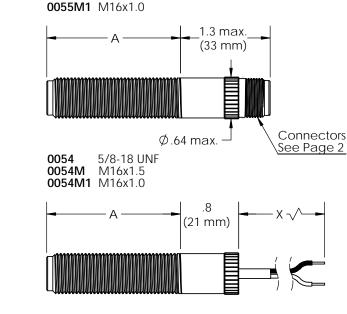
DC-Coil Resistance/ Inductance:	RF4: RF10:	4Ω 12Ω	.36mH 1.00mh
Operating Freq.:	$\ge 0.5 \text{ to} \le 6000 \text{ Hz}^*$		
Air Gap:	Open Face: ≤ .160"* (Sealed epoxy surface, high sensitivity) Closed Face: ≤ .130"* (Sealed stainless steel membrane, for harsh environments) *Depending on target mass and type of signal conditioner (8HT: 20% loss)		
Temperature Range:	3T: -150° to 330°F (-100° to 165°C) 3T w/NTC: -112° to 300°F (-80° to +150°C) 3T w/RTD: -150° to 330°F (-100° to 165°C) 4HT: -250° to 400°F (-157° to 204°C) 4HT w/RTD: -250° to 400°F (-157° to 204°C) 5HT: -450° to 450°F (-270° to 232°C) 5HT w/RTD: -330° to 450°F (-200° to 232°C) 8HT: -450° to 750°F (-270° to 400°C) 8HT w/RTD: -328° to 752°F (-200° to 400°C)		
Oscillation Voltage:	3-9 Vpp when connected to a 4013/4014 HS type signal conditioner		
Construction:	300 Series stainless steel housing Solid Epoxy or Ceramic (8HT) encapsulation TFE or Mica (8HT) insulated wires or cable See Pg. 2		
Connectors & Pin Assignments:	See Page 2 All have gold plated contacts		
CE-Compliance:	EN55011, EN50082-2		

OPTIONS

Custom configurations/enclosures, thread sizes, special materials, or temperature probes. Please contact sales.

SIGNAL CONDITIONERS

For matching signal conditioners, please refer to SPECTEC's 4010, 4013 & 4014 series.



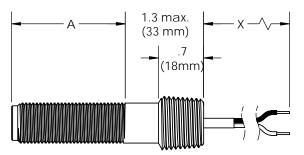
5/8-18 UNF

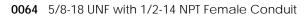
M16x1.5

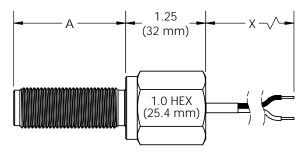
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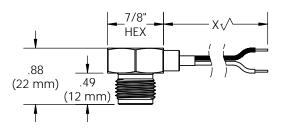
0065 5/8-18 UNF with 1/2-14 NPT Male Conduit











0054 • 0055 • 0064 • 0065 RF PICKUP TO 400°C WITH OPTIONAL TEMPERATURE PROBE 5/8, M16

