The magnet sensors are designed to measure the surface temperature of ferrous metals with a convenient and non-destructive magnetic attachment. These sensors are designed to be mounted either vertically or horizontally and may be attached to molding press platens, bearing/motor housings and various other metal surfaces. These sensors provide stabilized temperature readings in less than 5 seconds. The magnet sensors have a continuous operating temperature of 400 ºF. The T and H series can take intermittent temperatures up to 600 ºF, but the pull of the magnet will be degraded at temperatures above 450 ºF. The M series has a 2 lb. pull force magnet and the T and H series have a nominal 10 lb. pull force magnet.

FIGURE 1

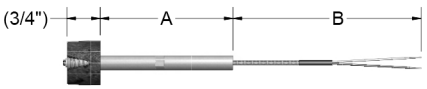

FIGURE 2

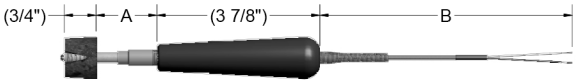

FIGURE 3

ORDER CODES

Example Order Number:

1		2		3		4		5		6
JMAG	-	T	-	006	-	304	-	T1B072	-	2

1 Thermocouple Types

CODE	DESCRIPTION
JMAG	Type J magnet sensor
KMAG	Type K magnet sensor

2 Magnet Assembly Styles

SHEATH STYLE (FIGURE 1)	
CODE	**DESCRIPTION**
T[1]	10 lb. Pull magnet with 5/16" O.D. sheath
PHENOLIC HANDLE STYLE (FIGURE 2)	
CODE	**DESCRIPTION**
H[2]	10 lb. Pull magnet with handle
MINIATURE STYLE (FIGURE 3)	
CODE	**DESCRIPTION**
M[3]	2 lb. Pull magnet
[1] 3 inch minimum "A" dimension	
[2] 1 inch minimum "A" dimension	
[3] No "A" Dimension required-specify as 000	

3 "A" Dimension

Specify 3 digit "A" Dimension length in inches.

4 Bend Options[1]

CODE	DESCRIPTION
00	No Bend
2__	Sheath bent 45º
3__	Sheath bent 90º
[1] Only available with "T" style magnet sensor. Requires a minimum "A" dimension of 4 3/4 inches.	

5 Extension Leadwire Type

CODE	DESCRIPTION
F1	Fiberglass insulation-solid conductor
F1B	Fiberglass insulation-solid conductor-stainless steel overbraid
F1A [1]	Fiberglass insulation-solid conductor-flexible armor
F3	Fiberglass insulation-stranded conductor
F3B	Fiberglass insulation-stranded conductor-stainless steel overbraid
F3A [1]	Fiberglass insulation-stranded conductor-flexible armor
T1	Fluoropolymer insulation-solid conductor
T1B	Fluoropolymer insulation-solid conductor-stainless steel overbraid
T1A[1]	Fluoropolymer insulation-solid conductor-flexible armor
T3	Fluoropolymer insulation-stranded conductor
T3B	Fluoropolymer insulation-stranded conductor-stainless steel overbraid
T3A [1]	Fluoropolymer insulation-stranded conductor-flexible armor
[1] Not available with M1 series assembly	

6 Terminations and Options

CODE	DESCRIPTION
0	Leads not stripped
2	2" split leads, 1/4" stripped
3	2" split leads with spade lugs
4	Standard plug
5	Standard jack
6	Miniature plug
7	Miniature jack
8	2" split leads with 1/4" quick-disconnect female terminal lugs
Options	
CODE	**DESCRIPTION**
MC	Mating Connector
CC	Connector secured to leads with cable clamp
BX	1/2" NPT junction box connector