Honeywell

Interactive Catalog Replaces Catalog Pages

Honeywell Sensing and Control has replaced the PDF product catalog with the new Interactive Catalog. The Interactive Catalog is a power search tool that makes it easier to find product information. It includes more installation, application, and technical information than ever before.

Click this icon to try the new Interactive Catalog.

Sensing and Control
Honeywell Inc.
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Freeport, Illinois 61032

FEATURES

- Rugged, sealed threaded aluminum housing NEMA 3, 3R, 3S, 4, 12 and 13 requirements
- 22 gauge, 6 inch stranded leadwires, color coded and teflon insulated
- Adjustable mounting

NOTE: For digital sensors, see page 14.

103SR ORDER GUIDE

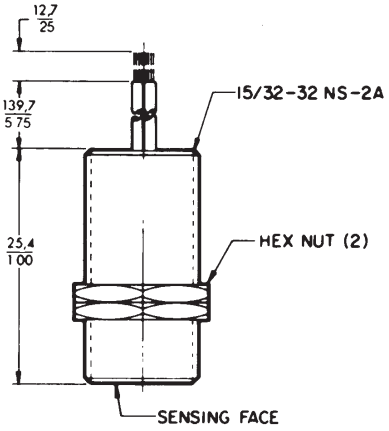
Catalog Listing	103SR3F-5
Supply Voltage (VDC)	4 to 10
Supply Current (mA max.)	3.5
Output Voltage (V)	1.75 to 2.25V at 5V, 0 gauss
Sensitivity	(–400 to +400 gauss) 0.75 to 1.06mV/gauss

mT = Gauss × 10^{-1}

LEADWIRE TYPE

Type 1	22 gage stranded, teflon insulated
Type 2	22 gage PVC insulated conductor with black molded PVC jacket
Type 3	22 gage insulated conductors with yellow thermoplastic polyurethane jacket
Type 4	24 gage irradiated polyethylene

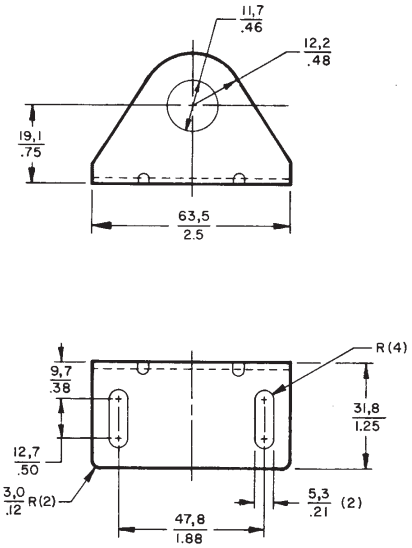
MOUNTING DIMENSIONS (For reference only)



Leadwire color code:

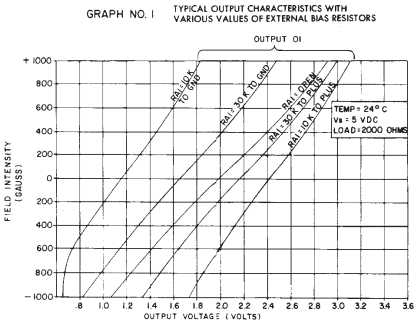
Red	Vs (+)
Black	Ground (–)
Gray	Linear Output
White	R Adjust

1SR15 Mounting Bracket

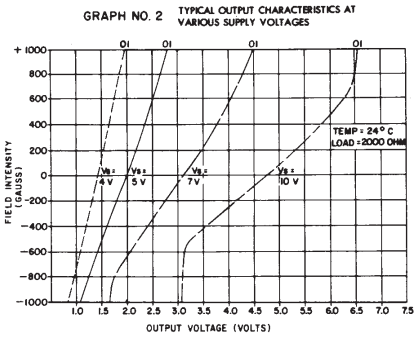


TYPICAL LINEAR OUTPUT CHARACTERISTICS*

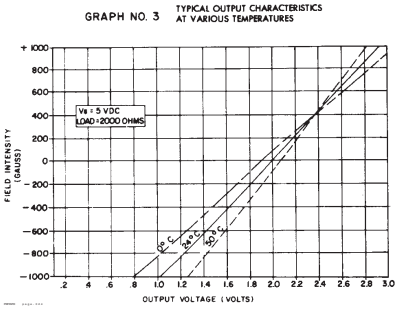
Graph #1
The 103SR3F-5 features a single adjustable linear output. An external bias resistor can be used to vary the zero gauss offset (null) and consequently, the output voltage.



Graph #2
These curves represent the typical output characteristics at various supply voltages.



Graph #3
At 5 VDC supply voltage, these curves represent the typical performance of the 103SR3F-5 over temperature.



* Illustrated characteristics are typical. Production lot sensor characteristics will be in the general range of those shown.