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**Model 420 - Specifications**



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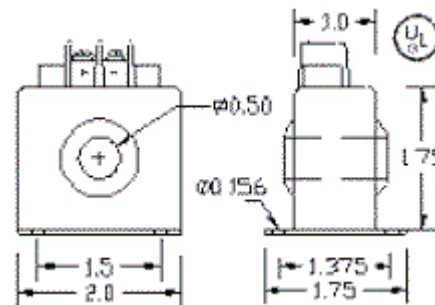
- Accommodates up to 5000 V Cable Voltage
- Extended Temperature Range
- Light Weight
- Small Size
- Encapsulated Shock Resistance
- Metal Encased
- Isolated Two-Wire Transmitters
- Fast, Reliable Response
- Low Cost Industrial Monitor
- Current Overload Protection
- Never Requires Calibration
- Complete Electrical Isolation
- Single Supply Voltage
- Supply Reversal Protection

**STANDARD CURRENT RANGES:**

A.C. Amps, RMS

**0-5, 0-10, 0-15, 0-20,  
0-30, 0-50, 0-75, 0-100**

**MAX WEIGHT: 5 OZ.**



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**PERFORMANCE SPECIFICATION**

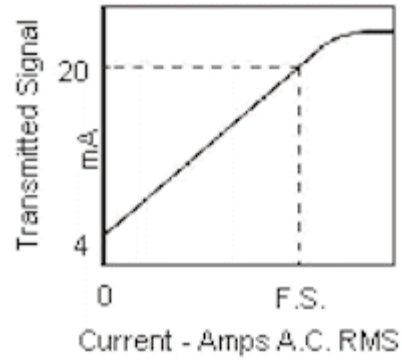
*With Optimum Load Resistance*

Accuracy	0.5% (Standard)
Repeatability	0.25% Full Scale
Response Time	150 Milliseconds Maximum
<b>Temperature Range</b>	<b>-25 deg. C to 85 deg. C</b>
Temperature Coefficient	0.04% F.S./ deg. C
<b>Conductor Cable Voltage</b>	<b>5000 Volts (Insulated Cable)</b>
Supply Voltage	5 to 40 V.D.C.
Signal Out	4 to 20 mA
Frequency	Nominal 50 / 60 Hz

**CONNECTION SPECIFICATION**

Conductor Cable Size	Up To 0.50" diameter
Isolation	Input/Output/Case
Insulation Resistance (Between Output and Case)	100 Meg. Ohm Min @500 V.D.C

**CHARACTERISTIC CURVE**

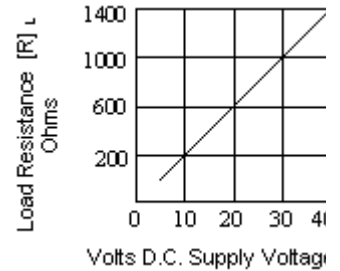


**OPTIMUM LOAD RESISTANCE**

The optimum load resistance is actually the sum of the line resistance, receiver resistances and added external load resistance. However, in many applications, the line resistance and receiver resistances are negligible in comparison to the added external load resistance. The following equation may apply:

$$R_L = (V_S - 5) \times 40$$

Where:  $R_L$  = Load Resistance in Ohms.  
 $V_S$  = Supply Voltage in Volts D.C.



*Manufacturer maintains right to change specifications without notice; prices as of January 1, 2001.*

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