

## Loop Powered Device

### MGT-0420-001

#### Universal 4-20mA True RMS Signal Transducer

##### Application:

- The MGT-0420-001 signal transducer converts zero to 333 mV AC signal to standard 4 to 20 mA DC voltage.
- This device is not recommended for use with the Magnelab RCS unit  
(See MGS-1800 Series for three-phase applications)
- The MGT-0420-001 helps to reduce inventory by allowing the measurement of various signals by simply changing the input device.



##### ORDER INFORMATION

Part Number	Input	Output	Accuracy (Full Scale)
MGT-0420-001	0-333mV	4 - 20 mA	0.3%

##### Features:

- Highly accurate, true RMS measurement  
Ideal for distorted waveforms
- Self-powered from the 4 - 20 mA loop
- Robust construction, compact size and easy wiring

##### Specifications:

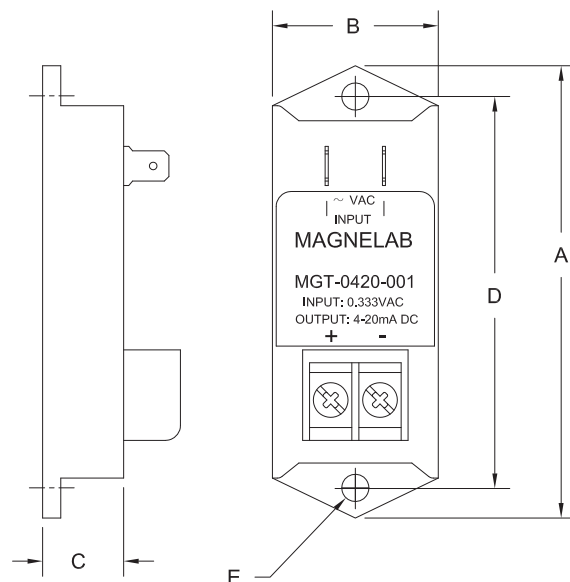
- Power: Standard 4-20 mA loop voltage 8 - 35 VDC
- Input: 0-333mV full scale AC voltage
- Output: 4 -20 mA loop (Sinking)  
Max. impedance 750  $\Omega$  @ 24VDC  
(Barrier strip terminal provided)
- Accuracy: True RMS, 0.3% Full scale,  
up to crest factor 4
- Frequency: 40 to 3000 Hz
- Enclosure: Potted plastic box  
Back mouting bracket

##### DIMENSION

##### INCH

##### MM

	INCH	MM
A	3.00	76.2
B	1.10	20.0
C	0.54	13.7
D	2.60	66.0
E	0.18	4.6



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