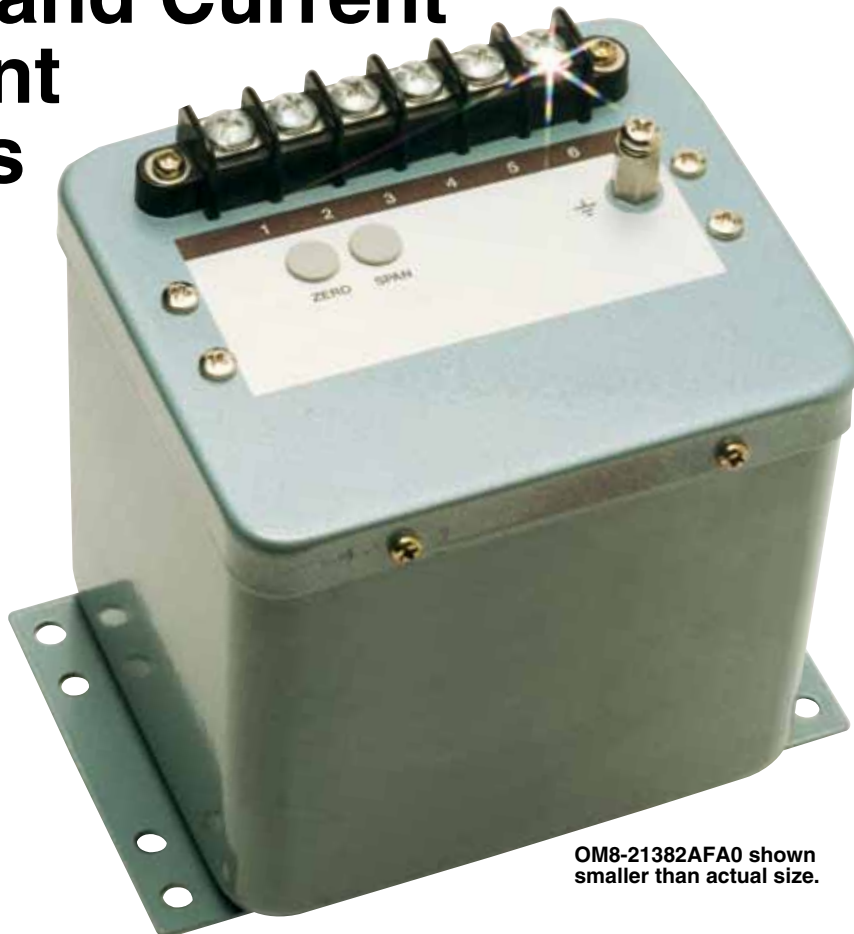


AC Voltage and Current Measurement Transducers

OM8 Series



OM8-21382AFA0 shown smaller than actual size.

- ✓ Average Measurement
- ✓ Isolation
- ✓ 0 to 1 mA and 4 to 20 mA Outputs Available

The OM8 series transducers convert AC currents and voltages to dc process signals for direct connection to data acquisition and recording systems. The OM8 employ average measurement techniques in conditioning the AC signal. For measurement of currents and voltages greater than listed, the OM8 are directly compatible with OMEGA instrument transformers.

Specifications

Accuracy: 0.2% of reading

Sustained Input Overrange: Voltage, 120% continuous, 150% for 5 seconds; current, 200% continuous, 1000% for 5 seconds

Outputs: 0 to 1 mA dc into 10 k Ω 10 Vdc compliance; 4 to 20 mA into 750 Ω Max 15 Vdc compliance

Zero Adjust: \pm 5% minimum

Span Adjust: \pm 10% minimum

Response Time:

<400 msec (0 to 99% of full scale)

Power Consumption: 5 VA max

Isolation: Input to output: 2500 Vac, 60 Hz, 1 minute; input to power: 2500 Vac, 60Hz, 1 minute; input to case: 2500 Vac, 60 Hz, 1 minute; power to output:

2000 Vac, 60 Hz, 1 minute; power to case: 2000 Vac, 60 Hz, 1 minute; output to case: 500 Vac, 60 Hz, 1 minute

Dimensions:

Self Powered Units:

104 H x 101 W x 51 mm D (4.1 x 4.0 x 2.0")

Auxiliary Powered Units:

120 H x 133 W x 96 mm D (4.7 x 5.2 x 3.8")

AC Current (Average Measuring) Transducers

Model No.	Input Signal	Input Frequency	Output Signal	Power Required
OM8-21382AFA0	0 to 5 Amp AC	50/60 Hz	0 to 1 mA DC	Self powered
OM8-21384AFA0	0 to 5 Amp AC	400 Hz	0 to 1 mA DC	Self powered
OM8-21382AHD1	0 to 5 Amp AC	50/60 Hz	4 to 20 mA DC	120 Vac
OM8-21384AHD1	0 to 5 Amp AC	400 Hz	4 to 20 mA DC	120 Vac
OM8-21382AHD2	0 to 5 Amp AC	50/60 Hz	4 to 20 mA DC	240 Vac
OM8-21384AHD2	0 to 5 Amp AC	400 Hz	4 to 20 mA DC	240 Vac

AC Voltage (Average Measuring) Transducers

Model No.	Input Signal	Input Frequency	Output Signal	Power Required
OM8-22332AFA0	0 to 150 Vac	50/60 Hz	0 to 1 mA DC	Self powered
OM8-22334AFA0	0 to 150 Vac	400 Hz	0 to 1 mA DC	Self powered
OM8-22332AHD1	0 to 150 Vac	50/60 Hz	4 to 20 mA DC	120 Vac
OM8-22334AHD1	0 to 150 Vac	400 Hz	4 to 20 mA DC	120 Vac
OM8-22332AHD2	0 to 150 Vac	50/60 Hz	4 to 20 mA DC	240 Vac
OM8-22334AHD2	0 to 150 Vac	400 Hz	4 to 20 mA DC	240 Vac
OM8-22362AFA0	0 to 300 Vac	50/60 Hz	0 to 1 mA DC	Self powered
OM8-22364AFA0	0 to 300 Vac	400 Hz	0 to 1 mA DC	Self powered
OM8-22362AHD1	0 to 300 Vac	50/60 Hz	4 to 20 mA DC	120 Vac
OM8-22364AHD1	0 to 300 Vac	400 Hz	4 to 20 mA DC	120 Vac
OM8-22362AHD2	0 to 300 Vac	50/60 Hz	4 to 20 mA DC	240 Vac
OM8-22364AHD2	0 to 300 Vac	400 Hz	4 to 20 mA DC	240 Vac

Comes complete with operator's manual.

Order Example: OM8-21382AFA0, 50/60 Hz self powered transducer.