

ac Current and Voltage Transducers

True RMS Measurement

OM9 Series
\$310

- ✓ True RMS Measurement
- ✓ Isolation
- ✓ 0-1 mA and 4-20 mA Outputs Available

The OM9 Series transducers convert ac currents and voltages to dc process signals for direct connection to data acquisition and recording systems. The OM9 employ true RMS measurement techniques in conditioning the ac signal. True RMS measurement provides accurate readings for signals which contain harmonic distortion. For measurement of currents and voltages greater than listed, the OM9 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 KOhm 10 Vdc compliance; 4-20 mA into 750 Ohm max 15 Vdc compliance

Zero Adjust: ±5% minimum

Span Adjust: ±10% minimum

Response Time: >400 msec 0-99% of full scale

Power Consumption: 5 VA max

Isolation: Input to output: 2500 Vac, 60 Hz, 1 min; Input to power: 2500 Vac, 60 Hz, 1 min; Input to case: 2500 Vac, 60 Hz, 1 min; Power to output: 2000 Vac, 60 Hz, 1 min; Power to case: 2000 Vac, 60 Hz, 1 min; Output to case: 500 Vac, 60 Hz, 1 min

Dimensions: 12 H x 13.3 W x 9.6 cm D (4.717" x 5.236" x 3.769")



Shown smaller than actual size

ac Current (True RMS) Transducers

Model No.	Input Signal	Input Frequency	Output Signal	Power Required	Price
OM9-31382AFA1	0-5 Amps ac	50/60 Hz	0-1 mA dc	120 Vac	\$320
OM9-31384AFA1	0-5 Amps ac	400 Hz	0-1 mA dc	120 Vac	385
OM9-31382AFA2	0-5 Amps ac	50/60 Hz	0-1 mA dc	240 Vac	320
OM9-31384AFA2	0-5 Amps ac	400 Hz	0-1 mA dc	240 Vac	385
OM9-31382AHD1	0-5 Amps ac	50/60 Hz	4-20 mA dc	120 Vac	455
OM9-31384AHD1	0-5 Amps ac	400 Hz	4-20 mA dc	120 Vac	520
OM9-31382AHD2	0-5 Amps ac	50/60 Hz	4-20 mA dc	240 Vac	455
OM9-31384AHD2	0-5 Amps ac	400 Hz	4-20 mA dc	240 Vac	520

ac Voltage (True RMS) Transducers

Model No.	Input Signal	Input Frequency	Output Signal	Power Required	Price
OM9-32332AFA1	0-150 Vac	50/60 Hz	0-1 mA dc	120 Vac	\$320
OM9-32334AFA1	0-150 Vac	400 Hz	0-1 mA dc	120 Vac	385
OM9-32332AFA2	0-150 Vac	50/60 Hz	0-1 mA dc	240 Vac	320
OM9-32334AFA2	0-150 Vac	400 Hz	0-1 mA dc	240 Vac	385
OM9-32332AHD1	0-150 Vac	50/60 Hz	4-20 mA dc	120 Vac	455
OM9-32334AHD1	0-150 Vac	400 Hz	4-20 mA dc	120 Vac	520
OM9-32332AHD2	0-150 Vac	50/60 Hz	4-20 mA dc	240 Vac	455
OM9-32334AHD2	0-150 Vac	400 Hz	4-20 mA dc	240 Vac	520
OM9-32362AFA1	0-300 Vac	50/60 Hz	0-1 mA dc	120 Vac	320
OM9-32364AFA1	0-300 Vac	400 Hz	0-1 mA dc	120 Vac	385
OM9-32362AFA2	0-300 Vac	50/60 Hz	0-1 mA dc	240 Vac	320
OM9-32364AFA2	0-300 Vac	400 Hz	0-1 mA dc	240 Vac	385
OM9-32362AHD1	0-300 Vac	50/60 Hz	4-20 mA dc	120 Vac	455
OM9-32364AHD1	0-300 Vac	400 Hz	4-20 mA dc	120 Vac	520
OM9-32362AHD2	0-300 Vac	50/60 Hz	4-20 mA dc	240 Vac	455
OM9-32364AHD2	0-300 Vac	400 Hz	4-20 mA dc	240 Vac	520