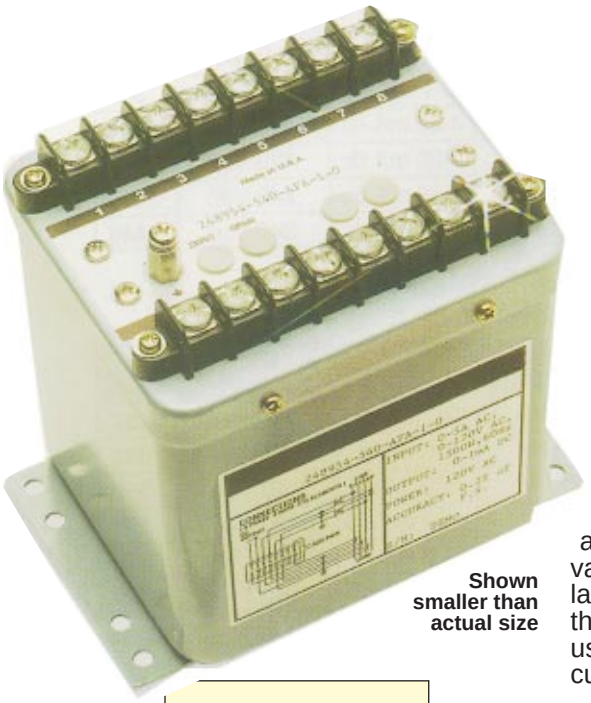
Combined Watt/VAR Transducers
(Volt Amp Reactance)



Shown smaller than actual size

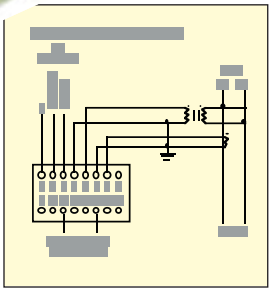
$475
Basic Unit

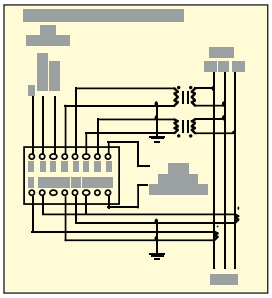
- **0.2% Accuracy**
- **Both Watt and VAR Output**
- **Provides Isolation**

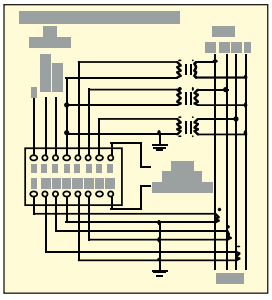
The OMEGA® OM11 transducers accept ac voltage and current to produce a two conditioned dc process signal outputs representing wattage and Volt Amp Reactance (VAR). Single, dual, and three element models are available to accommodate a variety of wiring configurations. For larger input voltages and currents, the OM11 transducers may also be used with OMEGA's voltage and current transformers.

Specifications

Accuracy: 0.2% of reading
Sustained Input Overrange: voltage, 120% continuous, 150% for 5 seconds; current, 200% continuous, 1000% for 5 sec
Outputs: 0 to 1 mA dc, 0±1 mA dc: into 10 kohm 10 Vdc compliance; 4-20 mA dc, 12±8 mA dc 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 x 11.2 x 9.6 cm (4.717" H x 5.236" W x 3.769" D)







Line art shows optional voltage and current transformers

Model No.	Input	Input Freq.**	Output Watt	Output VAR	Power Required	Price
ac Watt/Var (1 Element)						
OM11-41540AFB0-(*)	120 Vac/5A	60 Hz	0±1 mA	0±1 mA	Self powered	**$475**
OM11-41580AFB0-(*)	240 Vac/5A	60 Hz	0±1 mA	0±1 mA	Self powered	**475**
OM11-41540AHD1-(*)	120 Vac/5A	60 Hz	4-20 mA	12±8 mA	120 Vac	**605**
OM11-41580AHD1-(*)	240 Vac/5A	60 Hz	4-20 mA	12±8 mA	120 Vac	**605**
OM11-41540AHD2-(*)	120 Vac/5A	60 Hz	4-20 mA	12±8 mA	240 Vac	**605**
OM11-41580AHD2-(*)	240 Vac/5A	60 Hz	4-20 mA	12±8 mA	240 Vac	**605**
ac Watt/Var (2 Elements) For Delta Configuration Or "Y" Configuration With No Neutral						
OM11-43540AFB0-(*)	120 Vac/5A	60 Hz	0±1 mA	0±1 mA	Self powered	**$560**
OM11-43580AFB0-(*)	240 Vac/5A	60 Hz	0±1 mA	0±1 mA	Self powered	**560**
OM11-43540AHD1-(*)	120 Vac/5A	60 Hz	4-20 mA	12±8 mA	120 Vac	**690**
OM11-43580AHD1-(*)	240 Vac/5A	60 Hz	4-20 mA	12±8 mA	120 Vac	**690**
OM11-43540AHD2-(*)	120 Vac/5A	60 Hz	4-20 mA	12±8 mA	240 Vac	**690**
OM11-43580AHD2-(*)	240 Vac/5A	60 Hz	4-20 mA	12±8 mA	240 Vac	**690**
ac Watt/Var (3 Elements) For 4 Wire "Y" Configuration						
OM11-45540AFB0-(*)	120 Vac/5A	60 Hz	0±1 mA	0±1 mA	Self powered	**$710**
OM11-45580AFB0-(*)	240 Vac/5A	60 Hz	0±1 mA	0±1 mA	Self powered	**710**
OM11-45540AHD1-(*)	120 Vac/5A	60 Hz	4-20 mA	12±8 mA	120 Vac	**840**
OM11-45580AHD1-(*)	240 Vac/5A	60 Hz	4-20 mA	12±8 mA	120 Vac	**840**
OM11-45540AHD2-(*)	120 Vac/5A	60 Hz	4-20 mA	12±8 mA	240 Vac	**840**
OM11-45580AHD2-(*)	240 Vac/5A	60 Hz	4-20 mA	12±8 mA	240 Vac	**840**

** Specify M for full scale = lag VAR input/output relationship or P for full scale = lead VAR input/output relationship.*

*** Consult engineering for 50 Hz and 400 Hz models*