



# OM9-32 "AC POWER" SERIES

True RMS AC Voltage Transducer  
0.2% Accuracy Class

Specification Sheet M1705/1093

## 1. GENERAL

The Model OM9-32 Series is an externally powered AC Voltage Transducer with an analog output corresponding to the true RMS value of the input signal.

## 2. SPECIFICATIONS

Input Burden	150 VAC : < 0.8 VA 300 VAC: < 1.6 VA
Input Over Range Capability	120% of Rated Input Continuous
Output Compliance	0 - 1 mADC = 10 VDC 4 - 20 mADC = 15 VDC
Accuracy 10 - 100% of Rated Input	0 - 1 mADC = $\pm 0.2\%$ of Fullscale 4 - 20 mADC = $\pm 0.2\%$ of Span
External Calibration Adjust	ZERO: $\pm 5\%$ of Minimum SPAN: $\pm 10\%$ of Minimum
Response Time	< 400 mSEC (0 - 99% of Output)
Output Ripple	$\pm 0.5\%$ of Span peak to peak max.
Isolation	2500 VAC Input to Output, Power & Case 2000 VAC Aux. Power to Output & Case 500 VAC Output to Case
SWC	IEEE472 / ANSI C37.90.1 - 1989 JIS C1111 (5KV, 1.2 x 50 $\mu$ SEC)
Insulation Resistance	> 10M $\Omega$ / 500 VDC Input / Output / Power / Case
Operating Temp.	-20° to + 60°C (-4.0 to +140°F)
Operating Humidity	0 - 90% Relative Humidity (Non-Condensing)
Temp. Drift	$\pm 140$ PPM / °C of Fullscale or Span
Weight	900 g. (1.97 lb)
External Magnetic Field	< 0.2% at 400 AT/m
Shock	< 0.2% after 50 G, 6 Axis, 3 Repetitions
Vibration	< 0.2% after 16.7 Hz, 4 mmp-p 1 HR, 3 Axis
Influence of Frequency	< 0.2%, 45-65 Hz, Fundamental thru 9th Harmonic

