

# Model VTA

## AC Voltage Sensor mVAC or VAC voltage Sensor

Made in the USA

- Input 110V to 640V
- Output 250mV to 10mV
- Accuracy Class 1.0
- Box Size 2.0"x3.0"x1.5"



The VTA is a single phase, 50/60Hz VAC voltage sensor that converts an AC voltage output that is compatible with many instrument computerized data loggers and energy meters. This allows the instrumentation to measure line voltages for electrical energy and monitoring with isolation (5000V). The overall power consumption is less than 0.05 watt and low output voltage is set to 0.250VAC or 1V as required by customer input requirements.

The unit utilizes UL/VDE internal voltage transformers with an isolation voltage rating of 5000VAC. An In-line fuse holders and fuse are provided for extra safety. The unit can be completely encapsulated for outdoor applications. Input and output connection lead wires are UL1015 rated 600VAC. A precision resistor is connected across the low output voltage and impedance. UL recognized parts include isolation transformer, input and output lead wires, printed circuit board and housing.

### Specifications

<i>Input Voltage</i>	110V, 120V, 240V, 277V, 480V, 600V or 640V 50/60Hz
<i>Output Voltage</i>	250mV, 333mV, 1, 2.5, 5, or 10VAC
<i>Output Resistance</i>	Approximately 200Ω
<i>Minimum Required Interface Resistance</i>	50Ω
<i>Isolation</i>	Tested for 5000VAC isolation between input and output
<i>Construction</i>	ABS black plastic housing
<i>Lead Wires</i>	Input leads: 3ft. black/white, rated 5kVDC minimum per UL3239 Output leads: 3ft. twisted, black/white, 22AWG

PART NUMBER TO ORDER	STANDARD OUTPUTS SELECT ONE						
	250mVAC	333mVAC	500mVAC	1VAC	2.5VAC	5VAC	10VAC
VTA-110	250mVAC	333mVAC	500mVAC	1VAC	2.5VAC	5VAC	10VAC
VTA-120	250mVAC	333mVAC	500mVAC	1VAC	2.5VAC	5VAC	10VAC
VTA-240	250mVAC	333mVAC	500mVAC	1VAC	2.5VAC	5VAC	10VAC
VTA-277	250mVAC	333mVAC	500mVAC	1VAC	2.5VAC	5VAC	10VAC
VTA-480	250mVAC	333mVAC	500mVAC	1VAC	2.5VAC	5VAC	10VAC
VTA-600	250mVAC	333mVAC	500mVAC	1VAC	2.5VAC	5VAC	10VAC
VTA-640	250mVAC	333mVAC	500mVAC	1VAC	2.5VAC	5VAC	10VAC

