



FEATURES

- The **Analog AC Voltage Transducers** are instruments conceived to measure voltage in AC systems and retransmit a proportional value by means of an analog output
- These transducers can be produce with a single measurement input and a single analog output (simple configuration) or with three distinct current inputs, and three distinct analog outputs, (triple configuration). Both models require a single external power supply signal
- Available in three different versions: **VA**, for measurement of pure sinusoidal signals (without harmonic content), **VR**, applicable in any case (distorted or pure signals, **True RMS** measurement, up to 16th harmonics) and **VX**, displaced scale, measurement of pure sinusoidal signals (examples 90...150V, 180...300V)

APPLICATIONS

- Conversion of measured voltage values into analog DC signals, using automation standards accepted by PLC's, digital indicators, controllers and other related instruments
- Signal Isolation
- Protection of general electrical machinery

PRODUCT INFO

MULTIPLE END APPLICATIONS

- Several options for inputs and outputs, suited for the most varied applications in automation systems.

INSTALLATION AND ENCLOSURE

- Panel's Background, Side Screws Fastening
- Connection – Lug terminals
- Robust enclosure (IP -40)

ISOLATION

- 2.5kV between inputs and outputs (60Hz, 1 minute)

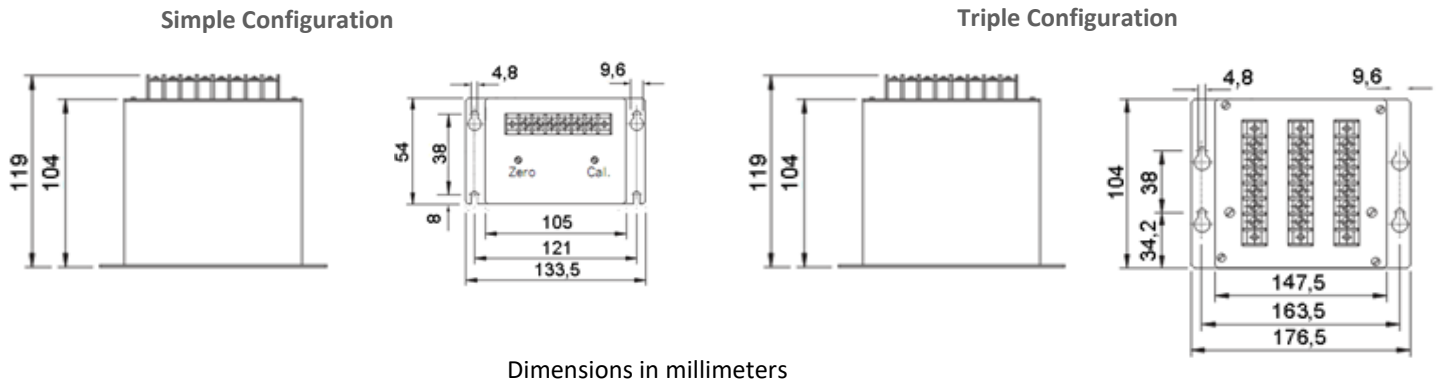
ANALOG OUTPUT

- Response time: < 400ms
- Output Ripple: < 0.5%
- Output values and maximum (current output) or minimum (voltage output) admittable resistances:

4...20mAdc (0...750Ω)	0...10mAdc (0...1kΩ)
0...20mAdc (0...750Ω)	0...1Vdc (1kΩ - minimum value)
0...1mAdc (0...10kΩ)	0...5Vdc (1kΩ - minimum value)
0...5 mAdc (0...2kΩ)	0...10Vdc (2kΩ - minimum value)

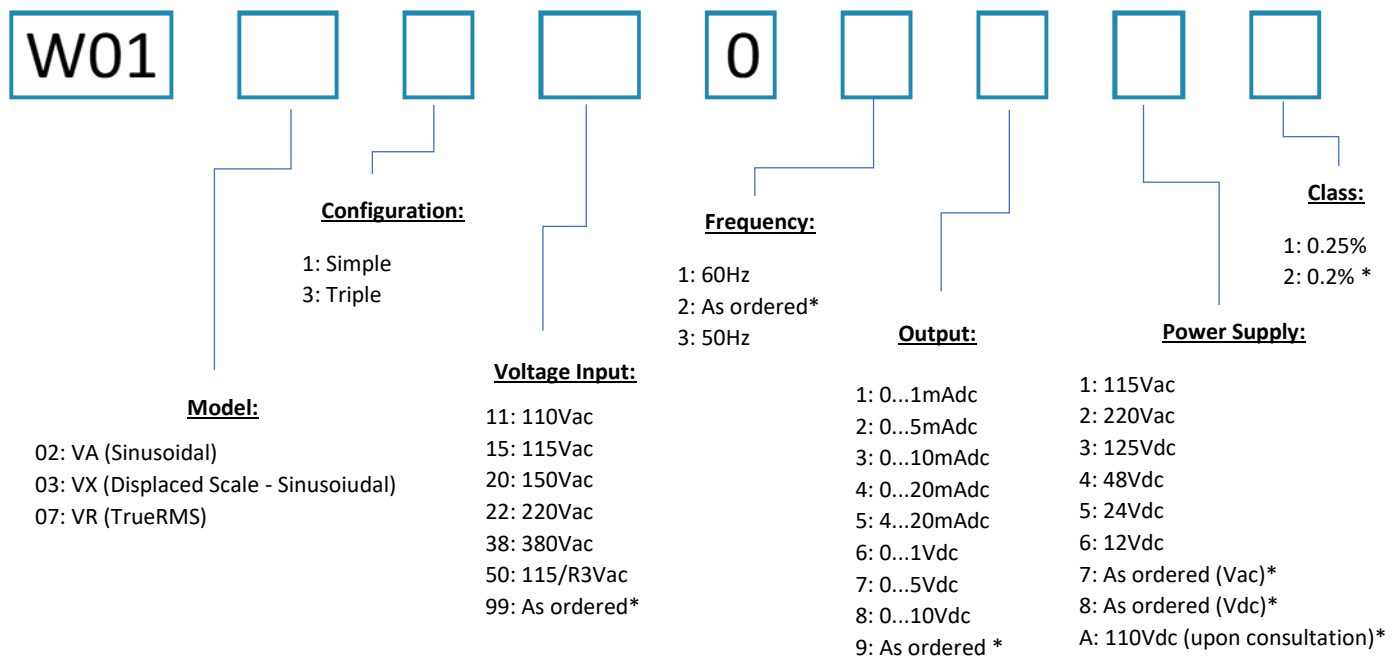
MEASUREMENTS AND INPUT INFO	<i>Connections Diagrams</i>	Single-Phase
	<i>Voltage Input – Working Range</i>	Up to 600Vac / 10 to 100% of nominal value
	<i>Continuous Overload (Voltage)</i>	1,2 x Nominal Voltage
	<i>Connection</i>	Lug Terminal (IP-00)
ACCURACY at 25°C (77 °F), referred to the full scale	<i>Maximum Cable to be Used</i>	Measurement inputs and power supply: 4mm ² (Recommended 2.5mm ²) Output: depends on the distance and impedance of the instruments that will be connect to it, check admittable resistances info for each output type.
	<i>Frequency</i>	50 or 60Hz
	<i>Internal Consumption</i>	0.5 VA
	<i>Voltage</i>	0.25%
POWER SUPPLY	<i>Voltage</i>	12Vdc (90 to 120% of nominal value) 24, 48 or 125Vdc (80 to 120% of nominal value) 115 or 220Vac (85 to 115% of nominal value)
	<i>Internal Consumption</i>	< 3.5VA (simple) < 10VA (triple)
CASE	<i>Material</i>	High mechanical resistance extruded aluminum enclosure
	<i>Mass</i>	0.5kg
	<i>Protection Degree</i>	IP-40
ENVIRONMENTAL CONDITIONS	<i>Operation/Storage Temperature</i>	-10 to 60°C (14 to 140 °F) -25 to 60°C (-31.667 to 140 °F)
	<i>Relative Air Humidity</i>	Maximum of 95% (without-condensation)
	<i>Temperature Coefficient</i>	0.01%/°C

DIMENSIONS



Dimensions in millimeters

How to Specify:



NOTE:

* Please consult technical support to check availability for a particular input/output/power supply.

Standard Model: (Example)

W01 02 1 38 0 3 5 3 1

Transducer {VA:Sinusoidal} {Configuration: Simple} {Input:380Vac} {Frequency:50Hz} {Output:4...20mAdc} {Power Supply: 125Vdc} {Class: 0.25%}

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For correct utilization of the product, the User Manual must be consulted before its installation or operation.
Some items presented here may be optional, being necessary the correct product specification by their code.

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