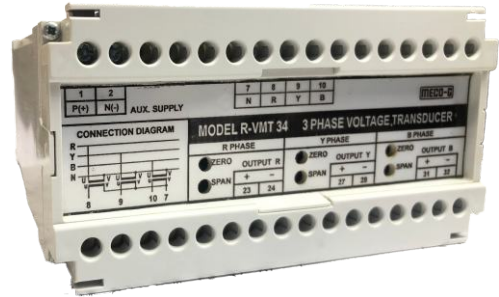




R-VMT, R-VMT-TRMS



R-VMT34

MECO-G AC Voltage Transducers measures and convert a sinusoidal AC Voltage signal into a standard industrial DC signal which is directly proportional to the measured input signal. These transducers provide an output which are load independent and isolated from the input. These outputs are accurate, reliable, consistent and stable and are suitable for Telemetry for remote, local as well as Central Monitoring Systems, Data-loggers, PLC's, SCADA systems and control applications.

GENERAL SPECIFICATIONS

Accuracy	± 0.5% (Standard), ± 0.2% (Optional) of Rated output
Output Ripple	0.2% RMS
Response	Less than 0.5 Sec.
Frequency	50/60 Hz (Standard), Upto 400Hz (Optional)
Zero Adj.	± 2% Min.
Span Adj.	± 10% Min.
Operating Temp.	0-50°C (RH<90%) (Non Condensing)
Storage Temp.	-20°C to 70°C (Non Condensing)
Overload Continuous	2x Rated Current, 1.2x Rated Voltage
Breakdown Impulse Voltage	1x40µs 4.5 KV (without dewing.)
Temperature Coefficient	0.03% / °C.
Dielectric Withstand Voltage	2KV for 1 min. (Standard), 4KV (Optional) across Casing - Input / Output / Auxiliary
Insulation Resistance	>100 MΩ at 500VDC

MODEL	TYPE
R-VMT	Voltage - Average
R-VMT-TRMS	Voltage- TRMS
R-VMT34	Voltage - 3Phase 4Wire

AC INPUT		AUXILIARY POWER SUPPLY		DC OUTPUT RANGES			
Range				Current		Voltage	
	0-63.5VAC	0-110 / 220VAC ± 10% 50/60 Hz Approx.		Output	Load	Output	Load
	0-110VAC	85-264V AC/DC ± 10%		0-1mA	≤10kΩ	0-1V	≥1kΩ
	0-230VAC	19-90V AC/DC ± 10%		0-5mA	≤2kΩ	0-5V	≥5kΩ
	0-300VAC	0-24 / 48 VDC ± 10% 2Watts Approx.		0-10mA	≤1kΩ	1-5V	≥5kΩ
	0-500VAC	0-110V DC ±10% 2 Watts Approx.		0-20mA	≤500Ω	0-10V	≥10kΩ
	PTR Available	0-220V DC ± 10% 2 Watts Approx.		4-20mA	≤500Ω	2-10V	≥10kΩ
Burden	<0.5VA						

- Note:
- 1) AC Voltage Transducers without separate auxiliary supply (Self Powered) can be supplied.
 - 2) Two wire transducers with auxiliary supply 24VDC and output 4-20mADC are available.
 - 3) Asymmetrical / Symmetrical output transducers are available.
 - 4) Dual Non-isolated Outputs available on request.
 - 5) Other auxiliary Power supplies available, subject to technical feasibility
 - 6) Other ranges (Inputs / Outputs) available on request, subject to technical feasibility.

