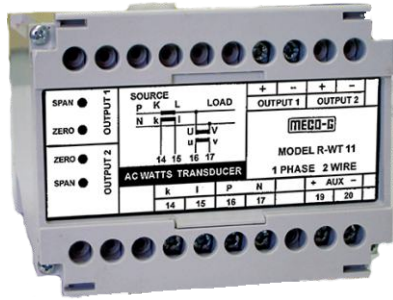
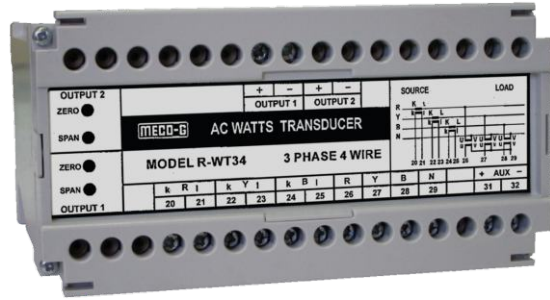


# AC REACTIVE POWER (VAR) TRANSDUCER (1PHASE, 3PHASE 3 WIRE, 3PHASE 4 WIRE)



**R-RPT11**



**R-RPT33, R-RPT34**

MECO-G AC Reactive Power (VAR) Transducers measures VAR of 1Phase, 3Phase 3Wire, 3Phase 4 wire in balanced and unbalanced load and convert the 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
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-RPT11	Var - Single Phase - TRMS
R-RPT33	Var - 3 Phase, 3 Wire (Balanced & Unbalanced Load) -TRMS
R-RPT34	Var - 3 Phase, 4 Wire (Balanced & Unbalanced Load) -TRMS

AC INPUT	
<b>Voltage</b>	0-63.5 / 100 / 110 230 / 415 / 440VAC
<b>Current</b>	0-1 / 5 AAC
<b>Frequency</b>	50 / 60 Hz
<b>Power Factor</b>	0 (Lag) - 1 - 0(Lead)
<b>Burden - Voltage</b>	<6mA / Phase
<b>Burden - Current</b>	<0.5VA / Phase

AUXILIARY POWER SUPPLY	
0-110 / 220VAC ± 10% 50/60 Hz Approx.	85-264V AC/DC ± 10%
19-90V AC/DC ± 10%	0-24 / 48 VDC ± 10% 2Watts Approx.
0-110V DC ±10% 2 Watts Approx.	0-220V DC ± 10% 2 Watts Approx.

DC OUTPUT RANGES			
Current		Voltage	
Output	Load	Output	Load
0-1mA	≤10kΩ	0-1V	≥1kΩ
0-5mA	≤2kΩ	0-5V	≥5kΩ
0-10mA	≤1kΩ	1-5V	≥5kΩ
0-20mA	≤500Ω	0-10V	≥10kΩ
4-20mA	≤500Ω	2-10V	≥10kΩ
4-12-20mA	≤500Ω		

Note:

- 1) AC Reactive Power (VAR) Transducers without separate auxiliary supply (Self Powered) can be supplied.
- 2) Asymmetrical / Symmetrical output transducers are available.
- 3) Other auxiliary Power supplies available, subject to technical feasibility
- 4) All input ranges are suitable with CTR and PTR.
- 5) Other ranges (Inputs / Outputs) available on request, subject to technical feasibility.

