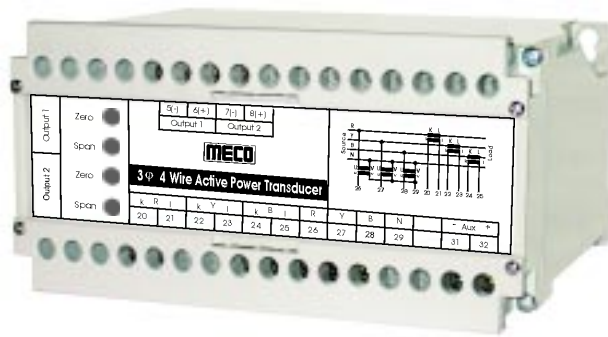




Active Power (Watt) & Reactive Power (Var) Transducer



WT, RPT



BPWT, BPRPT

MECO AC Active Power (Watt) & Reactive Power (Var) Transducers measure Power in 1 Phase, 3 Phase 3 Wire and 3 Phase 4 Wire in balanced or unbalanced electrical systems and converts it to an industry standard output signal which is directly proportional to the measured input. These Transducers provide an output which is load independent and isolated from the input. These Transducers can measure both Import and Export of Power. The output can be connected to Controllers, Data-Loggers, PLC's, Analog / Digital Indicators, Recorders for display, analysis or control. They are ideal for SCADA, Energy Management, Telemetry for Remote, Local as well as Central Monitoring Systems.

Type	Watt	Var	Watt	Var
1Phase 1Element 2Wire - TRMS	WT11	RPT11	BPWT11	BPRPT11
3Phase 1Element 2Wire (Balanced) - TRMS	WT31	RPT31	BPWT31	BPRPT31
3Phase 2Element 3Wire (Balanced & Unbalanced) - TRMS	WT33	RPT33	BPWT33	BPRPT33
3Phase 3Element 4Wire (Balanced & Unbalanced) - TRMS	WT34	RPT34	-	-

AC Input		DC Output				Auxiliary Power Supply		
Input Voltage	0-63.5/110/230/440 V (any one only)	Current		Voltage		Tolerance (± 20 %)	Burden	
Input Current	0-1/5 A (any one only)	Output	Load	Output	Load	AC	110 V 230 V	
Input Frequency	50/60/400 Hz (any one)	0-1 mA	0-10 KΩ	0-1 V	> 1 kΩ			
Input PF Range	0 (Lag)-1.0 (Lead)	0-5 mA	0-2 KΩ	0-5 V	> 5 kΩ			
Measuring Range	0-1.2 x Un x In	0-10 mA	0-1 KΩ	1-5 V	> 10 kΩ			
Overload (continuous)	2 x In and 1.2 x Un	2-10 mA	0-10 V	0-10 V	> 10 kΩ			
Burden (Voltage)	< Un x 5.5mA/Phase < 6 VA for Self Powered	0-20 mA	0-500 Ω	2-10 V	> 10 kΩ	DC	24 V 48 V 110 V 220 V	
Burden (Current)	< 0.5VA / Phase	4-20 mA						
						Self Powered	Max. Variation of ± 20% allowed in Input Voltage	Refer Input Burden

Optional

- Above Input Ranges with suitable CTR/PTR also available
- Bi-directional inputs for Import / Export of Power

Optional

- Dual Non-Isolated Outputs
- Dual Isolated Outputs, inquire with sales@mecoinst.com
- Dual Symmetrical & Asymmetrical Outputs
- Bi-directional Outputs

Optional

- Other Auxiliary Power Supplies available subject to technical feasibility

Dimension

DIN Series : ● Case Size II for 1P & 3PE Single Output / Dual Output (Non-Isolated) of AC / DC Aux. Supply
 ● Case Size III for Dual Output (Isolated) of AC / DC Aux. Supply ● Case Size III for others

Note : ● Detailed specifications of BP Series on request ● For Case Size refer General Specifications

Connection Diagram

