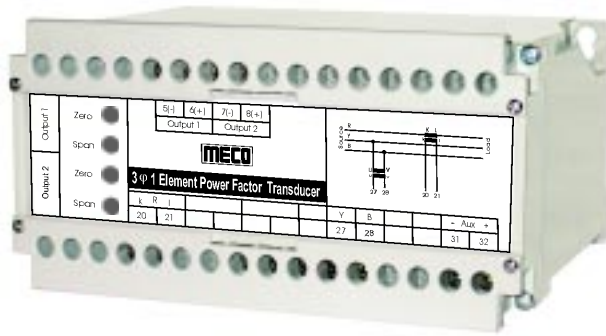




Power Factor Transducer



PFT



BPPFT

MECO AC Power Factor Transducers measure the Power Factor in 1 Phase and 3 Phase electrical systems. The resulting output signal is directly proportional to the system power factor. These Transducers provide an output which is load independent and isolated from the input. 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	DIN Series	Back Panel Series
1Phase 1Element 2Wire - Zero Crossing	PFT11	BPPFT11
3Phase 1Element 2Wire (Balanced) - Zero Crossing	PFT31	BPPFT31
3Phase 2Element 3Wire (Balanced & Unbalanced) - TRMS	PFT33-TRMS	BPPFT33-TRMS
3Phase 3Element 4Wire (Balanced & Unbalanced) - TRMS	PFT34-TRMS	-

AC Input		DC Output				Auxiliary Power Supply			
Input Voltage	63.5/110/230/440 V (any one only)	Current		Voltage		Tolerance (± 20 %)		Burden	
Input Current	1/5 A (any one only)	Output	Load	Output	Load	AC	110 V	< 4 VA	
Input Frequency	50/60 Hz (any one)	0-1 mA	0-10 KΩ	0-1 V	> 1 kΩ	DC	230 V		
Input PF Range	0.5 (Lag) -1.0 -0.5 (Lead) 0.8 (Lag) -1.0 -0.2 (Lead)	0-5 mA	0-2 KΩ	0-5 V	> 5 kΩ		24 V		
Measuring Range	0.8Un~1.2Un,0.2In~1.2In	0-10 mA	0-1 KΩ	1-5 V	> 10 kΩ	48 V	110 V		
Overload (continuous)	2 x In and 1.2 x Un	2-10 mA	0-500 Ω	0-10 V		220 V	Self Powered		Max. Variation of ± 20% allowed in Input Voltage
Burden (Voltage)	< Un x 5.5mA/Phase < 6 VA for Self Powered	0-20 mA		2-10 V					
Burden (Current)	< 0.5VA / Phase	4-20 mA							

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 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

