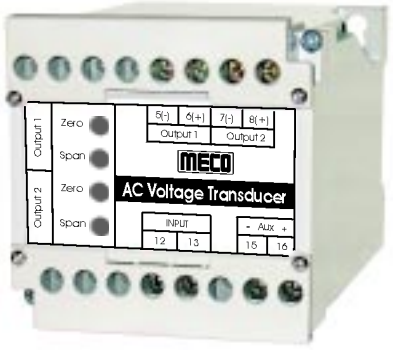
AC Voltage Transducer



VMT, VMT - TRMS

BPVMT, BPVMT - TRMS

MECO AC Voltage Transducer measures AC Voltage 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. 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, Telemetering for Remote, Local as well as Central Monitoring Systems.

Type	DIN Series	Back Panel Series
Voltage - Average	VMT	BPVMT
Voltage - TRMS	VMT - TRMS	BPVMT - TRMS

AC Input

Input Ranges	0 - 63.5 V 0 - 110 V 0 - 230 V 0 - 300 V 0 - 440 V 0 - 500 V
Measuring Range	0 - 1.2Un
Overload (continuous)	1.2 x Un
Burden	< Unx5.5mA < 6 VA for Self Powered

DC Output

Current		Voltage	
Output	Load	Output	Load
0-1 mA	0-10 KΩ	0-1 V	> 1 kΩ
0-5 mA	0-2 KΩ	0-5 V	> 5 kΩ
0-10 mA	0-1 KΩ	1-5 V	
2-10 mA		0-10 V	> 10 kΩ
0-20 mA	0-500 Ω	2-10 V	
4-20 mA			

Auxiliary Power Supply

Tolerance		Burden
AC	110 V ± 20 % 230 V ± 20 %	< 4 VA
SMPS - LV	19 - 90V AC / DC	< 2 VA
SMPS - HV	85 - 265V AC / DC	
Self Powered	Max. Variation of ± 20% allowed in Input Voltage	Refer Input Burden

Optional

- Expanded or Suppressed Input Rranges also available. Example : 0 - 0.8 - 1.2 Un
- Above Input Ranges with suitable PTR also available·
- Other input ranges available subject to technical feasibility

Optional

- Dual Non-Isolated Outputs
- Dual Isolated Outputs, inquire with sales@mecoinst.com
- Expanded or Suppressed Output Example : 4 - 6 - 20 mA for 0 - 0.8 - 1.2 Un
- Dual Symmetrical & Asymmetrical Outputs
- Other output ranges available subject to technical feasibility

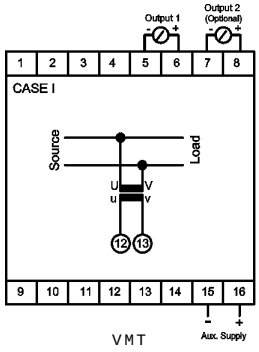
Optional

- Other Auxiliary Power Supplies available subject to technical feasibility

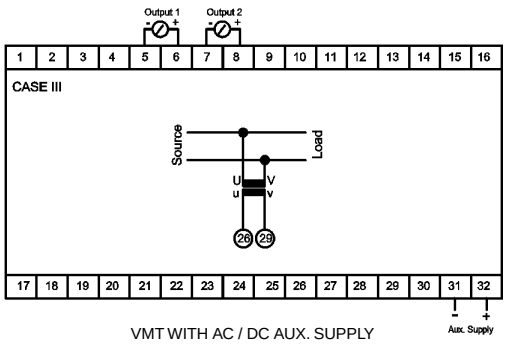
Dimension

DIN Series : ● Case Size III for Dual Output (Isolated) of AC / DC Aux. Supply ● Case Size I for others

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



VMT



VMT WITH AC / DC AUX. SUPPLY
(DUAL ISOLATED OUTPUTS)