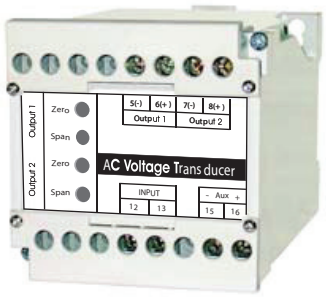
VT-AC
AC Voltage Transducer

Description:



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.

Specifications:

Type	DIN Series
Voltage - Average	VMT
Voltage - TRMS	VMT - 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	< Un x 5.5mA < 6 VA for Self Powered

DC Output			
Current		Voltage	
Output	Load	Output	Load
0-1 mA	0-10 KV	0-1 V	> 1 kV
0-5 mA	0-2 KV	0-5 V	> 5 kV
0-10 mA	0-1 KV	1-5 V	
2-10 mA		0-10 V	>10 kV
0-20 mA	0-500 V	2-10 V	
4-20 mA			

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

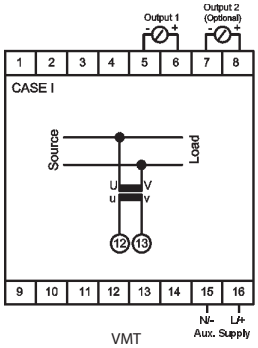
Optional
- Expanded or Suppressed Input Ranges also available. Example : 0 - 0.8 - 1.2 Un
- Above Input Ranges with suitable PTR also available
- Other input ranges available subject to technical feasibility

Optional
- Dual Non-Isolated Outputs
- Dual Isolated Outputs, inquire with sales@omicron.in
- 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

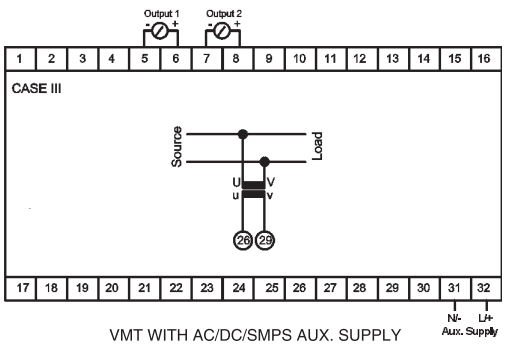
Optional
- Other Auxiliary Power Supplies available subject to technical feasibility

Dimension:

DIN Series : Case Size III for Dual Output (Isolated) of AC,DC or SMPS Aux. Supply
Case Size I for Single or Dual Output (Non-Isolated) of SMPS Aux. Supply



VMT



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

Note: For Case Size refer General Specifications