



CMT, CMT - TRMS

MECO AC Current Transducers measure AC Current 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
Current - Average	CMT
Current - TRMS	CMT - TRMS

AC Input	
Input Ranges	0 - 5A (Direct) 0 - 1A (Direct) CTR / 5A CTR / 1A
Measuring Range	0 - 1.2 In
Overload (continuous)	2 x In
Burden	<0.5 VA *2<6 VA for Self Powered

DC Output ^{*1,*2}			
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	>10 kΩ
2-10 mA		0-10 V	
0-20 mA	0-500 Ω	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 ^{*1} Powered	*1 For Input 1A & 5A AC, Output 0-10 or 0-20mA DC Available Only	Refer Input Burden
AC Linear Power Supply	230V AC ± 20 %	< 4 VA

Optional

- Expanded or Suppressed Input Ranges
Example : 0 - 0.8 - 1.2 In
- Other input ranges available subject to technical feasibility

Optional

- Dual Non-Isolated Outputs
- Expanded / Suppressed Output
Example : 4 - 6 - 20 mA for 0 - 0.8 - 1.2 In
- 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 II for Self Powered ● Case Size I for others

Note : ● For Case Size refer General Specifications

Connection Diagram

