

- Efficient, beneficial, and low cost.
- Measurement frequency range: DC~20KHz, low power consumption 10mA.
- Measurement input without loss; Strong anti-interference ability.
- Lightweight structure for easy installation. Opening size 64*16mm.
- DTM-S64 is a current comparator made using the Hall effect principle, suitable for measuring direct current.
- Open structure design, convenient for continuous electrical installation, with screw fixation design at the opening and closing parts, safe and firm to prevent detachment.

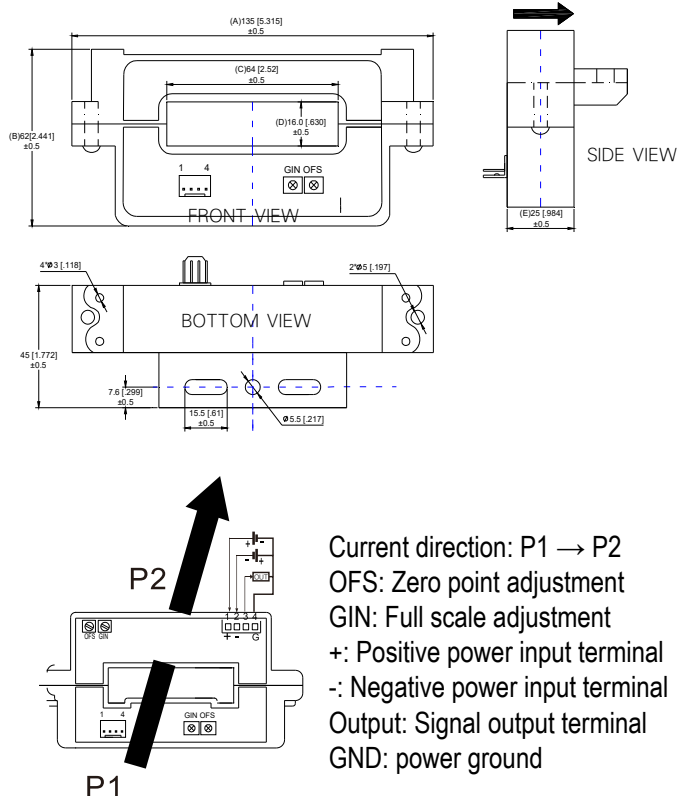


SPECIFICATION

- ◆ Output signal: At DC, V outputs 0-4Vdc; Output A: 4-20mAdc
Corresponding input current range In <math>< \pm 1.0\% \text{ F.S. } (@ 25^\circ\text{C})</math>
- ◆ Precision: <math>< \pm 1.0\% \text{ F.S. } (@ 25^\circ\text{C})</math>
- ◆ Working power supply: DC12V($\pm 5\%$)
- ◆ Measurement frequency range: DC~20KHz
- ◆ Insulation and withstand voltage: 2.5KV effective value/ 60Hz/ 1 min (between input and output circuits)
- ◆ Zero offset voltage: <math>< \pm 10\text{mV}</math>
- ◆ Temperature drift: $\pm 1\text{mV}/^\circ\text{C}$
- ◆ Linearity: <math>< \pm 1\% \text{ F.S.}</math>
- ◆ Reaction time: <math>< 5\mu\text{Sec}</math>
- ◆ Working temperature: $-10^\circ\text{C} \sim +85^\circ\text{C}$
- ◆ Storage temperature: $-25^\circ\text{C} \sim +85^\circ\text{C}$
- ◆ Current consumption: <math>< 25\text{mA}</math>
- ◆ Load resistance: >10K Ω
- ◆ Weight: 410g(square)
- ◆ Shell material: Flame retardant PBT material, grade: UL94-V0

Model	Primary side rated current	Maximum measuring range	Opening size
DTM-S64-300	50A	75A	64*16mm
DTM-S64-400	100A	150A	64*16mm
DTM-S64-500	200A	300A	64*16mm
DTM-S64-600	300A	450A	64*16mm
DTM-S64-1000	400A	600A	64*16mm
DTM-S64-2000	500A	750A	64*16mm

DIMENSION

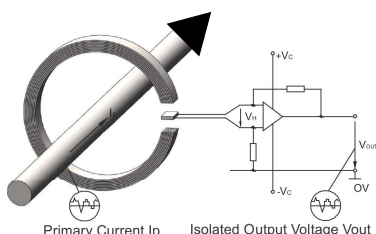


ORDER INFORMATION

DTM- Code1 64 - Code2 - Code3

Code1	Type	Code2	Measure Range	Code2	Measure Range	Code3	Output Signal
S	Square	300	DC0~300A	600	DC0~600A	V	0~4Vdc
		400	DC0~400A	1000	DC0~1000A	A	4~20mAdc
		500	DC0~500A	2000	DC/AC 0~2000A		

WORKING PRINCIPLE



The magnetic flux generated by the primary current I_p is concentrated in the magnetic flux, detection at the air gap using a Hall comparator. The output of the Hall device is processed at the sensor output end can accurately reflect the current changes on the primary side.