

Current Transducer CT505-S(T)/SP1

I_{PN}=500Arms

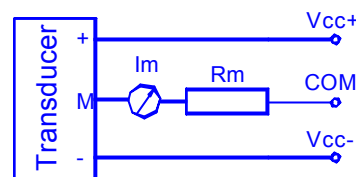
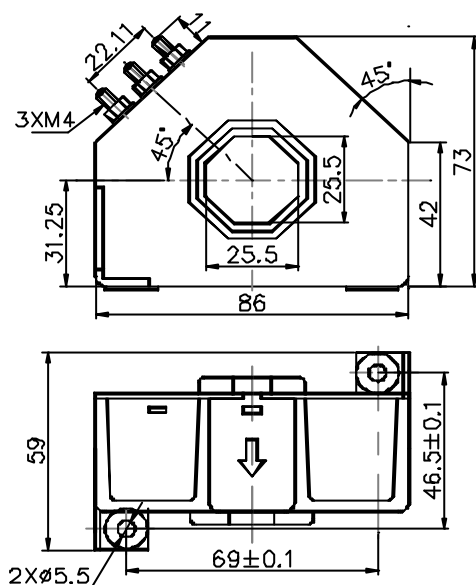
For the electronic measurement of currents: AC, DC IMPL.,etc.,with galvanic isolation between the primary (high power) and the secondary (electronic) circuits.

Performance data

Primary normal current I _{PN}	500	Arms	
Primary current, measuring range I _p	0..±800	A 3min/h	
Measuring resistance	R _{Mmax}		
with ±15V	@ ±800A	11	Ω
with ±24V	@ ±800A	65	Ω
Secondary normal current	100	mA rms	
Conversion ratio	1:5000		
Supply voltage	±12..±24	VDC(±5%)	
Current consumption	25±5mA (@±18V)+	Secondary output current	
Isolation test	6	kVrms/50Hz/1min	
Accuracy@ I _{PN} , T _A =+25°C	≤±0.8%		
Non-linearity	≤±0.1%		
Offset current @+25°C	≤±0.2	mA	
Response time @90% of I _p max	≤1	μs	
Di/dt:	≥50	A/μs	
Operating temperature	-40..+85	°C	
Storage temperature	-45..+90	°C	
Mass	≤200	g	



Dimensions & connections



Note:CT505-S/SP1 no bass