

Current Transducer CT1005-S(T)/SP3

I_{PN}=1000Arms

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}	1000	Arms
Primary current, measuring range I _p	0..±2000	A 3min/h
Measuring resistance	R _{Mmax}	
with ±15V @ ±1200A	8	Ω
with ±24V @ ±2000A	7	Ω
Secondary normal current	200	mA rms
Conversion ratio	1:5000	
Supply voltage	±15..±24	VDC(±5%)
Current consumption	30mA (@±24V)+	Secondary output current
Isolation test	7	kVrms/50Hz/1min
Accuracy@ I _{PN} , T _A =+25°C	≤±0.4%	
Non-linearity	≤±0.1%	
Offset current @+25°C	≤±0.4	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	≤550	g



Dimensions & connections

Note:CT1005-S/SP3 no bass

