

Current Transducer CT1005-S(T)/SP2

$I_{PN}=1000A_{rms}$

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	A_{rms}
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	$kV_{rms}/50Hz/1min$
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/SP2 no bass

