

Current Transducer CT50-S(T)/SP1

I_{PN}=50Arms

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}	50		Arms
Primary current, measuring range I _p	±70		A 3min/h
Measuring resistance	R _{Mmin}	R _{Mmax}	
with ±12V @ ±50A	0	140	Ω
@ ±70A	0	80	Ω
with ±18V @ ±50A	0	200	Ω
@ ±70A	0	120	Ω
Secondary normal current	50		mA rms
Conversion ratio	1:1000		
Supply voltage	±12..±18		VDC(±10%)
Current consumption	25±5mA (@±15V)+	Secondary output current	
Isolation test	6		kVrms/50Hz/1min
Accuracy@ I _{PN} , T _A =+25°C	≤±0.5%		
Non-linearity	≤±0.1%		
Offset current @+25°C	≤±0.2		mA
Thermal drift (-25 °C..+85°C)	≤0.5×10 ⁻⁴ ×I _N		/°C
Response time @90% of I _p max	≤1		μs
Di/dt:	≥50		A/μs
Operating temperature	-25..+70		°C
Storage temperature	-40..+85		°C
Mass	≤220		g



Dimensions & connections

Note:CT50-S/SP1 no bass

