

Current Transducer CT108-S(T)

I_{PN}=100Arms

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}	100	Arms
Primary current, measuring range I _p	0..±150	A
Measuring resistance	R _{Mmin} R _{Mmax}	
with ±12V @ ±100A	0 70	Ω
@ ±150A	0 65	Ω
with ±15V @ ±100A	0 100	Ω
@ ±150A	0 95	Ω
Secondary normal current	50	mA rms
Conversion ratio	1:2000	
Supply voltage	±12..±15	VDC(±10%)
Current consumption	20±5mA (@±15V)+	Secondary output current
Isolation test	6	kVrms/50Hz/1min
Accuracy@ I _{PN} , T _A =+25°C	≤±0.6%	
Non-linearity	≤±0.1%	
Offset current @+25°C	≤±0.15	mA
Thermal drift (-25 °C..+85°C)	≤±0.6	mA
Response time @90% of I _p max	≤1	μs
Di/dt:	≥100	A/μs
Operating temperature	-40..+85	°C
Storage temperature	-45..+90	°C
Mass	≤100	g



Dimensions & connections

Note:CT108-S no bass

