

Current Transducer CT100-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 _P N	100	Arms
Primary current, measuring range I _p	±200	A 3min/h
Measuring resistance	R _{Mmin} R _{Mmax}	
with ±12V @ ±100A	0 69	Ω
@ ±200A	0 22	Ω
with ±18V @ ±100A	0 120	Ω
@ ±200A	0 45	Ω
Secondary normal current	100	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 _P N, T _A =+25°C	≤±0.5%	
Non-linearity	≤±0.1%	
Offset current @+25°C	≤±0.25	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:CT100-S no bass

