

Current Transducer CT58-S(T)

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	0..±70	A
Measuring resistance	R _{Mmin} R _{Mmax}	
with ±12V @ ±50A	0 140	Ω
@ ±70A	0 70	Ω
with ±15V @ ±50A	0 200	Ω
@ ±70A	0 110	Ω
Secondary normal current	50	mA rms
Conversion ratio	1:1000	
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	≤±0.8%	
Non-linearity	≤±0.1%	
Offset current @+25°C	≤±0.1	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: CT58-S no bass

