

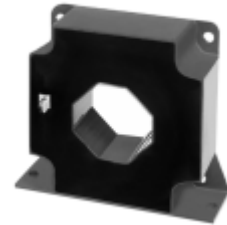
Current Transducer CF305-S

I_{PN}=300Arms

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}	300	Arms
Primary current, measuring range I _p	0..±500	A 3min/h
Measuring resistance	R _{Mmax}	
with ±12V @ ±500A	12	Ω
with ±20V @ ±500A	45	Ω
Secondary normal current	150	mA rms
Conversion ratio	1:2000	
Supply voltage	±12..±20	VDC(±10%)
Current consumption	26±5mA (@±20V)+	Secondary output current
Isolation test	3.8	kVrms/50Hz/1min
Accuracy@ I _{PN} , T _A =+25°C	±0.5%	
Non-linearity	±0.1%	
Offset current @+25°C	±0.2	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	≤95	g



Dimensions & connections

