

Current Transducer CF2005-S/SP2

I_{PN}=2000Arms

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}	2000	Arms
Primary current, measuring range I _p	0..±3700	A 3min/h
Measuring resistance	R _{Mmax}	Ω
with ±15V	@ ±2200A	4
with ±24V	@ ±3700A	3
Secondary normal current	500	mA rms
Conversion ratio	1:4000	
Supply voltage	±15..±24	VDC(±5%)
Current consumption	40mA (@±24V)+	Secondary output current
Isolation test	12	kVrms/50Hz/1min
Accuracy@ I _{PN} , T _A =+25°C	±0.4%	
Non-linearity	±0.1%	
Offset current @+25°C	±0.5	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	≤1500	g



Dimensions & connections

