

Current Transducer CF2005-S

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	4	Ω
with ±24V	3	mA rms
Secondary normal current	400	VDC(±5%)
Conversion ratio	1:5000	kVrms/50Hz/1min
Supply voltage	±15..±24	
Current consumption	40mA (@±24V)+	
Isolation test	12	
Accuracy@ I _{PN} , T _A =+25°C	±0.2%	
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

