

Specifications

Full scale range	Any value from $\pm 1\text{mA}$ to $\pm 5\text{A}$, factory preset
Over range	120% full scale permanently
Saturation	>120% full scale
Spikes	Amplitude limited by insulation breakdown, time unlimited
Damage level	DC: unlimited, sensor saturates > 20Arms
Voltage isolation	5kV current conductor to ground User may add additional insulation
Resolution	<10 μA (1s integration)
Linearity error	<0.1% FS
Absolute accuracy	$\pm 0.5\%$ FS
Calibration	External current can be applied
Ripple	7kHz and even harmonics See "Ripple" below
Bandwidth	DC up to 4kHz, depending on range
Output	$\pm 10\text{V}$ bipolar, buffered, 20 mA max stands permanent short circuit
Zero adjust	20-turn front-panel potentiometer
Power supply	$\pm 12\text{V}$ to $\pm 15\text{V}$, 100mA
Connection	DB-9 male on front panel
Temperature drift	<5 $\mu\text{A}/\text{K}$
Stabilization after overload	10ms max.
Magnetic field sensitivity	50 $\mu\text{A}/\text{Gauss typ.}$
Weight	0.5 Kg

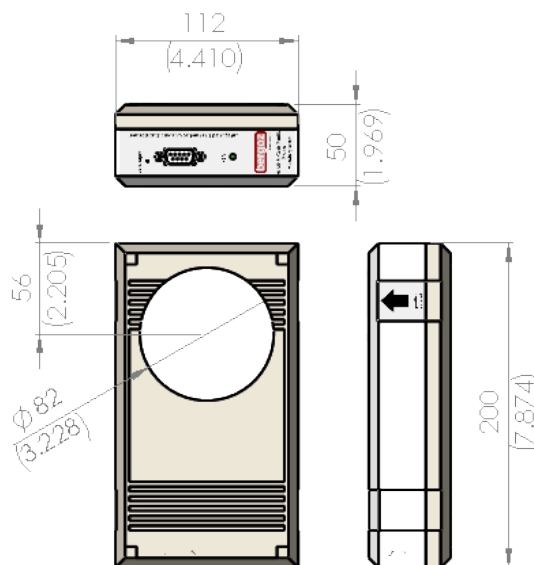
Resolution, bandwidth and ripple

Range	Resolution (1s integr.)	Bandwidth -3dB	Ripple (7kHz)
$\pm 1\text{mA}$	10 μA	>350Hz	<25mVrms
$\pm 10\text{mA}$	10 μA	>1.2kHz	<25mVrms
$\pm 100\text{mA}$	10 μA	>3.8kHz	<25mVrms
$\pm 2000\text{mA}$	10 μA	>4.2kHz	<2mVrms



IPCT-PS-BNC (on option): Power supply & BNC output for IPCT

Dimensions



Connections

Function	
Power supply -12...-15V	4
Power supply +12...+15V	9
Power supply ground	5
Output (-10V to +10V)	2
Output ground	7
Optional external resistor	1
Optional external resistor	6
Calibration winding +	8
Calibration winding -	3

Order codes

IPCT-XXXmA	Integrated Parametric Current Transformer. Factory-preset Any range XXXmA up to $\pm 5\text{A}$
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Options

IPCT-0.01%	High accuracy calibration 0.01% $\pm 10\mu\text{A}$
IPCT-PS-BNC	90-245Vac power supply & BNC output for IPCT
IPCT-CALCERT	IPCT initial certificate of Calibration with test report

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