

Current Transducer CT500A-S(T)

IPN=500Arms

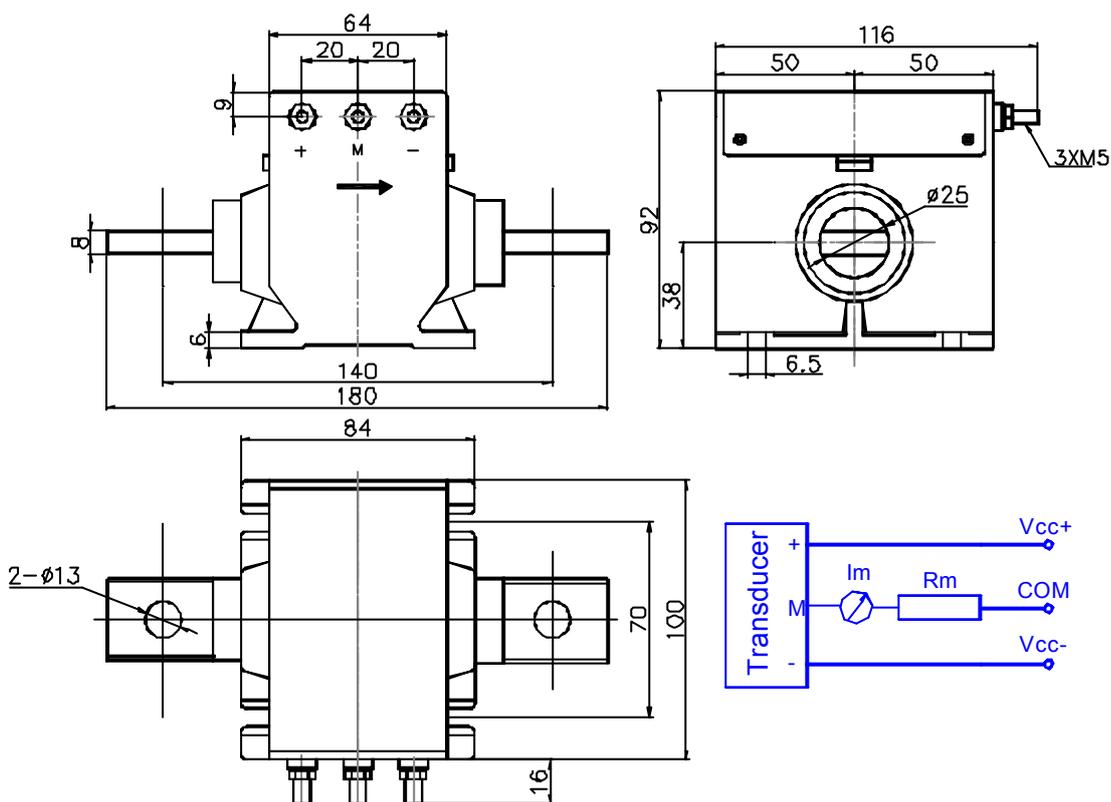
For the electronic measurement of currents: AC, DC IMPL.,etc.,with galvanic isolation between the primary (high power) and the secondary (electronic) circuits.

Performance data

Primary normal current I_{PN}	500	Arms
Primary current, measuring range I_p	$0..±800$	A 3min/h
Measuring resistance	R_{Mmax}	Ω
with $±15V$	@ $±800A$	Ω
with $±24V$	@ $±1000A$	mArms
Secondary normal current	100	mArms
Conversion ratio	1:5000	VDC($±5\%$)
Supply voltage	$±15..±24$	kVrms/50Hz/1min
Current consumption	30mA (@ $±18V$)	Secondary output current
Isolation test	6	μs
Accuracy@ I_{PN} , $T_A=+25^\circ C$	$±0.5\%$	A/ μs
Non-linearity	$±0.1\%$	$^\circ C$
Offset current @ $+25^\circ C$	$±0.25$	$^\circ C$
Response time @90% of I_p max	$≤1$	g
Di/dt:	$≥50$	
Operating temperature	$-25..+70$	
Storage temperature	$-40..+85$	
Mass	$≤400$	



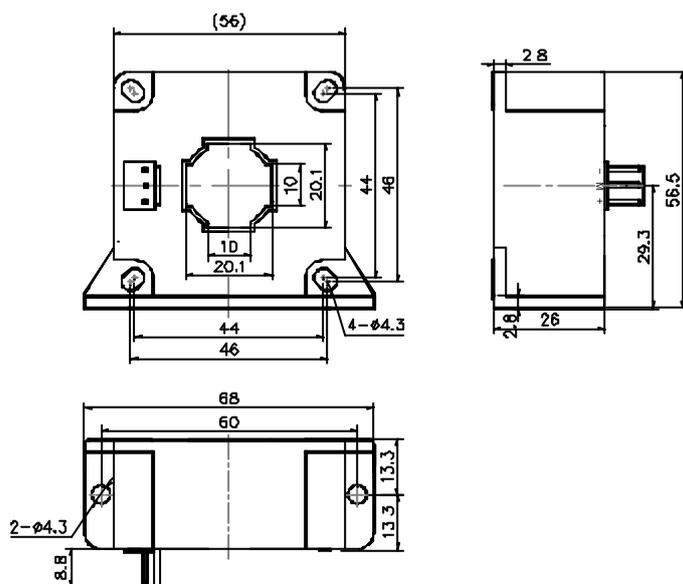
Dimensions & connections



Note:CT500A-S no bass

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