

Current Transducer CT500-S(T) TQG6B $I_{PN}=500A_{rms}$

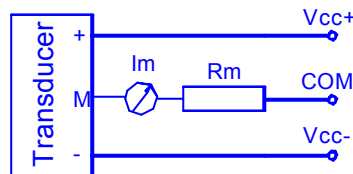
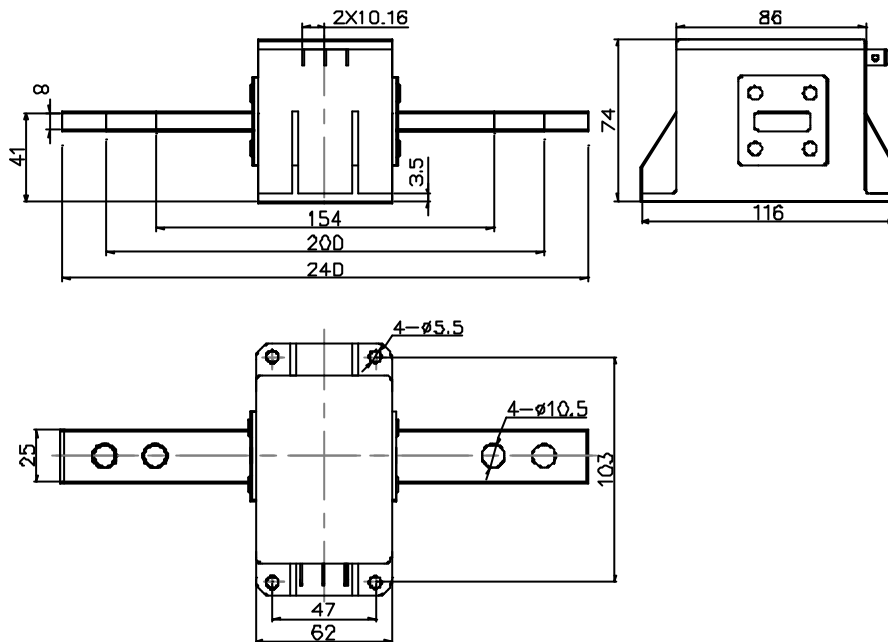
For the electronic measurement of currents: AC, DC IMPL.,etc.,with galvanic isolation between the primary (high power) and the secondary (electronic) circuits.

Performance data

Primary normal current I_{PN}	500	A_{rms}
Primary current, measuring range I_p	$0 \dots \pm 800$	$A_{3min/h}$
Measuring resistance	R_{Mmax}	Ω
with $\pm 15V$ @ $\pm 800A$	21	Ω
with $\pm 24V$ @ $\pm 800A$	26	mA_{rms}
Secondary normal current	100	$VDC(\pm 5\%)$
Conversion ratio	1:5000	$kVrms/50Hz/1min$
Supply voltage	$\pm 15 \dots \pm 24$	
Current consumption	30mA (@ $\pm 18V$) + Secondary output current	
Isolation test	7	
Accuracy @ I_{PN} , $T_A = +25^\circ C$	$\leq \pm 1\%$	
Non-linearity	$\leq \pm 0.1\%$	
Offset current @ $+25^\circ C$	$\leq \pm 0.25$	mA
Response time @ 90% of $I_p max$	≤ 1	μs
Di/dt:	≥ 50	$A/\mu s$
Operating temperature	$-25 \dots +70$	$^\circ C$
Storage temperature	$-40 \dots +85$	$^\circ C$
Mass	≤ 600	g



Dimensions & connections



Note:CT500-S no bass

