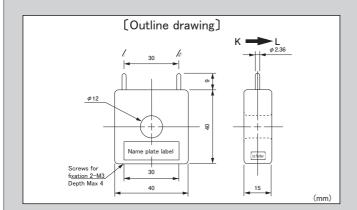
## Medium size large output AC current sensor for both of PCB and panel mounting



Model CTL-12-S56-20

## (Features)

- The highest model of standard model (CTL-12 series) of  $\phi$  12 aperture diameter
- ●Enlarged capacity model for primary current 320A max and saturated current 800A with wider section of core, and current ratio of 2000:1
- ●Possible to interface to electrical circuit directly by small secondary current with high current ratio of 2000:1
- lacktriangle Output terminal of round pins ( $\phi$ 2.36X9 $\ell$ ) and robust structure. Possible to correspond to soldering to wire and connector set sold separately
- ●Prepared mounting bracket sold separately (HLD-12) for panel mounting



(Specification) Ta=25°C	
Model	CTL-12-S56-20
Primary current	$0.1 \sim 320 \text{Arms} (50 / 60 \text{Hz}), R_{L} \leq 10 \Omega$
Maximum primary current	260Arms continuous
Saturation limited current	800Arms (50 ∕ 60Hz), R∟≦1Ω
Output characteristics	Refer "Output voltage characteristics"
Linearity	Refer "Coupling efficiency [K] characteristics" (Use the flat range of [K] characteristic in the application as the linear sensor)
Secondary windings (n)	2000±2 turn
Secondary windings resistance	118Ω (reference)
Withstand voltage	AC2000V(50/60Hz), 1min(between aperture and output terminal in a lump)
Insulation resistance	DC500V, $\geq$ 100M $\Omega$ (between aperture and output terminal in a lump)
Operating temperature	-20°C∼ +75°C , ≦80%RH, no condensation
Storage temperature	-30°C∼ +90°C , ≦80%RH, no condensation
Structure	PBT plastic case, potted by epoxy on one side
Output terminal	$\phi$ 2.36X9 $\ell$ (round pins), tin plating
Screw torque	0.3N • m
Mass	approximately 70g

- Remark(1) Output voltage is changed by the penetrated current/load resistor/[K] characteristic and so on. Please set up the condition for use with careful investigation of each characteristic
  - (2) Please use with enough margin if the range of coupling efficiency [K] ≤ 0.9, because it is the range to happen the individual difference.
  - Opening the secondary during turn ON is hazardous and the cause of failure, because of generating high voltage Please surely ask to our technical consulting service, if the

  - power measurement is thought.
    Please be careful of CT heating in case to use with high
  - frequency, although this CT is basically used at 50/60Hz. Please refer Appendix-1 accessories list for accessories

