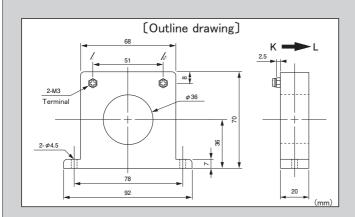
## Large size standard AC current sensor with large aperture for panel mounting



## Model CTL-36-S56-10B1

## (Features)

- lacktriangle Large aperture of  $\phi$  36 aperture diameter. Large size standard current sensor
- The highest model of CTL generic series for general measurement with primary current
- Possible to interface to electrical circuit directly by small secondary current with high current ratio of 1000:1
- lacktriangle Output: M3-screw terminal, Mounting holes: 2- $\phi$  4.5, robust structure suitable for installation into large panel



[Specification] Ta=25°C	
Model	CTL-36-S56-10B1
Primary current	$0.1 \sim 800 \text{Arms} (50 / 60 \text{Hz}), R_{L} \leq 10 \Omega$
Maximum primary current	600Arms continuous
Saturation limited current	2000Arms (50 $\angle$ 60Hz), $R_L \le 1 \Omega$
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)	1000±2 turn
Secondary windings resistance	$8.6\Omega$ (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	ABS plastic case, potted by epoxy on one side
Output terminal	M3X5l (BS screw terminal)
Screw torque	M4: 0.7N - m, M3: 0.3N - m
Mass	approximately 180g

- 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.
  - (3) Opening the secondary during turn ON is hazardous and the cause of failure, because of generating high voltage(4) Please surely ask to our technical consulting service, if
  - (4) Please surely ask to our technical consulting service, if the power measurement is thought.
  - (5) Please be careful of CT heating in case to use with high frequency, although this CT is basically used at 50/60Hz.

