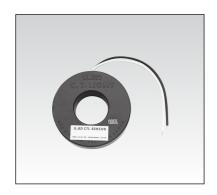
Precision Purpose CTL-Z series

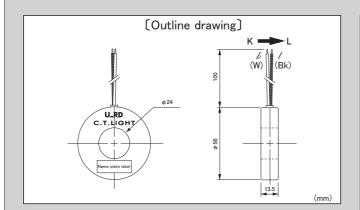
Medium size standard AC current sensor for precise measurement with large aperture and output wire type



Model CTL-24-S28-10Z

(Features)

- lacktriangle Standard sensor of large aperture of ϕ 24 aperture diameter for precise measurement
- Covering the wide range of 1mA~80A with adoption of permalloy core of high magnetic
- Possible to interface to electrical circuit directly by small secondary current with high current ratio of 1000:1
- ●Output wire(0.3mm²×100ℓ)。
- ●Prepared mounting bracket sold separately (HLD-24) for panel mounting



[Specification] Ta=25°C	
Model	CTL-24-S28-10Z
Primary current	1mA ~ 80Arms (50 ∕ 60Hz), R _L ≦10Ω
Maximum primary current	330Arms continuous
Saturation limited current	200Arms (50 \angle 60Hz), $R_L \leq 1 \Omega$
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	18Ω (reference)
Withstand voltage	AC2000V(50/60Hz), 1min(between aperture and output wire in a lump)
Insulation resistance	DC500V, ≥ 100 M Ω (between aperture and output wire in a lump)
Operating temperature	-20°C ~ +75°C , ≦80%RH, no condensation
Storage temperature	-30 °C ~ $+90$ °C , \leq 80%RH, no condensation
Structure	Polycarbonate plastic case, potted by epoxy
Output wire	PVC Vinyl isolated wire (0.3mm ² × 100ℓ)
Mass	approximately 60g
Description (1) Outside the second builting the second assessed assessed (1)	

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

