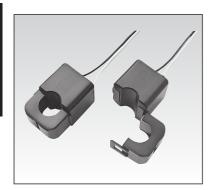
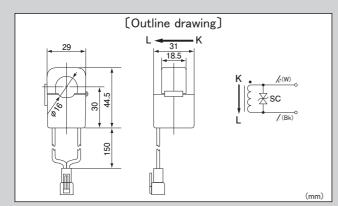
## Small clamp type AC current sensor ( $\phi$ 16 $\angle$ 120Arms)



## Model CTL-16-CLS

## (Features)

- Nylon spring, one touch clamp type for easy mounting to existing equipment such as panel board
- ●Possible to interface to system directly such as each type of energy saving enabled device, overload protector, and so on
- Built in over voltage clamped device
- Possible to apply also to the measurement of the secondary side (5A) of CT
- Corresponding to current until 120A max, though ultra small size
- Good linearity and stable phase angle characteristic for small current range of 10mA 1A



[Specification] Ta=25°C	
Model	CTL-16-CLS
Primary current	$0.01 \sim 120 \text{Arms} (50 / 60 \text{Hz})$ , R <sub>L</sub> ≤10 Ω
Maximum primary current	300Arms continuous
Saturation limited current	Below dot line in Output voltage characteristic
Output characteristics	2000mV $\pm$ 2%/100A (50/60Hz, R <sub>L</sub> =60 Ω)
Linearity	$\pm$ 1%/FS (50/60Hz,RL=60 $\Omega$ )
Current ratio	3000 : 1
Secondary windings resistance	280Ω (reference)
Open circuit protection	Built in 7.5Vp clamped device
Withstand voltage	AC1000V(50/60Hz), 1min(between core and output connector terminal in a lump)
Insulation resistance	DC500V, ≥100MΩ (between aperture and output connector terminal in a lump)
Operating temperature	-10°C~ +50°C , ≦90%RH, no condensation, for indoor assembly, free direction for setting
Storage temperature	-30°C ~ +90°C , ≤80%RH, no condensation
Structure	Nylon case simple closing type Ferrite core in case with clamping structure Nylon hinge and spring method
Fitting repeatability	≃100 times
Output wire	UL1007 Vinyl wire(AWG22X150l)
Output connector	Pin contact : SYM-001T-P0.6 Receptacle housing : SMR-02V

Remark (1) With impacted force on joint surface, there are breakage of ferrite core

(JST)

Mating connector

Mass

(2) No tension to wire more than 1kg (3) Preparing extension wire as separately selling for extension of output wire

approximately 70g

(4) In the contents of product specification, inspection, and so on, it is based on the measurement in conditions of standard temperature, humidity, and no abnormality and no vibration, in the case of no special description.

Socket contact : SHF-001T-0.8BS

Plug housing: SMP-02V-BC, NC (JST) (Not included)

- (5) Impossible to use in outdoor exposure.
- (6) Though voltage clamped ± 7.5Vp with open protection device in the case of wiring during hot line condition accidentally, it is not the acceptance of wiring during open condition, but it is for secondary electrical shock protection.

