Current converter integrated clamp type sensor and RMS converter 5A ～ 500A
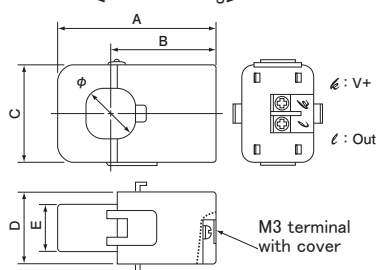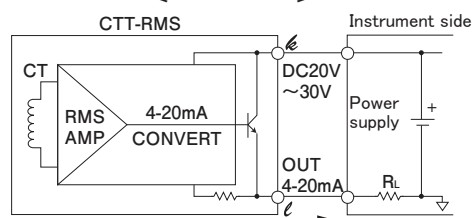

| Model | CTT-CLS-RMS series |

〔Features〕

● Detection 50/60Hz distorted wave of commercial power supply as RMS value
● Output 4-20mADC instrumentation signal directly
● Extremely simple to mount with integrated mode of clamp type sensor and converter
● Corresponding to wide range of current from 0 ～ 5A to 0 ～ 500A
● 2 wires transmission system in common use of power supply (20V ～ 30V) of data logger and PCL

〔Outline drawing〕

ℓ : V+
ℓ : Out

M3 terminal with cover

〔Connection〕

CTT-RMS
Instrument side
CT
DC20V ～30V
RMS AMP
4-20mA CONVERT
Power supply
OUT 4-20mA
R_L

2 wires transmission method in common of (+) power supply of instrument

〔Specification〕 Ta=25℃

Model	CTT-16-CLS-RMS5	CTT-16-CLS-RMS10	CTT-16-CLS-RMS25	CTT-16-CLS-RMS50	CTT-16-CLS-RMS100	CTT-24-CLS-RMS250	CTT-36-CLS-RMS500
Power supply	DC20 ～ 30V (25mA typ)						
Rating current	5 (Arms)	10 (Arms)	25 (Arms)	50 (Arms)	100 (Arms)	250 (Arms)	500 (Arms)
Output current	4 ～ 20mADC/0 ～ rating current (Recommended load resistor ≦600Ω / at power supply 24V)						
Maximum current	120%(continuous), 150%(1min)						
Linearity	±2% FS (50/60Hz sine wave)						
Response time	100ms (typ)						
Output ripple	Within 5% of output						
Withstand voltage	AC2000V(50/60Hz), 1min (Core-output terminal in a lump)						
Insulation resistance	DC500V, ≧100MΩ (Core-output terminal in a lump)						
Operating temperature	−20℃～ +50℃ , ≦80%RH,, no condensation, for indoor assembly, free direction for setting						
Storage temperature	−30℃～ +90℃、≦85%RH, no condensation						
Fitting repeatability	≒100 times						
Output terminal	2XM3 screw terminal with terminal cover						
Sqrew torque	0.3N・m						
Mass	approximately 75g						約200g	約290g
Dimension	A	55					74.5	91
	B	40.5					49.5	61
	C	29.5					45	57
	D	31					34	40.5
	E	19					22	22
	φ	16					24	36

〔Remark〕

(1) There is breakage of ferrite core inside with shocking force to the contact face(16 type)

(2) Although core joint surface is protected from rust, in the case of rusting, possible to be recovered by removal of rust with CRC-556 (goods on the market) and paint it again. (24, 36 type)

(3) Please use dedicated ones for the screws mounted on the output terminal

Data conversion equipment