

# 精密型交流電流感應器

(PRECISION AC CURRENT SENSOR)

MODEL  
CTA



## ■特點(FEATURES)

- 精確度0.2%滿刻度(Accuracy 0.2%F.S.)
- 採用超高導磁率的坡莫合金鐵心,感應頻率範圍20Hz至100KHz  
(Use permalloy core material has higher magnetic flux density, transformers frequency range from 20Hz to 100KHz)
- 輸入與輸出絕緣耐壓2仟伏特/1分鐘(Dielectric strength 2KVac/1min. (input/output))
- 沖擊電壓測試5仟伏特(1.2x50us)(Impuse test 5KV(1.2x50us)(IEC255-4,ANSI C37.90a/1974)
- 突波電壓測試2.5仟伏特(0.25ms/1MHz)(Surge test (ring wave)2.5KV(0.25ms/1MHz)(IEC255-4)
- 低價位尺寸小,穩定性高(Low cost and dimension small and High stability)

1.MODEL:CTA-□ □  
(選購型號)

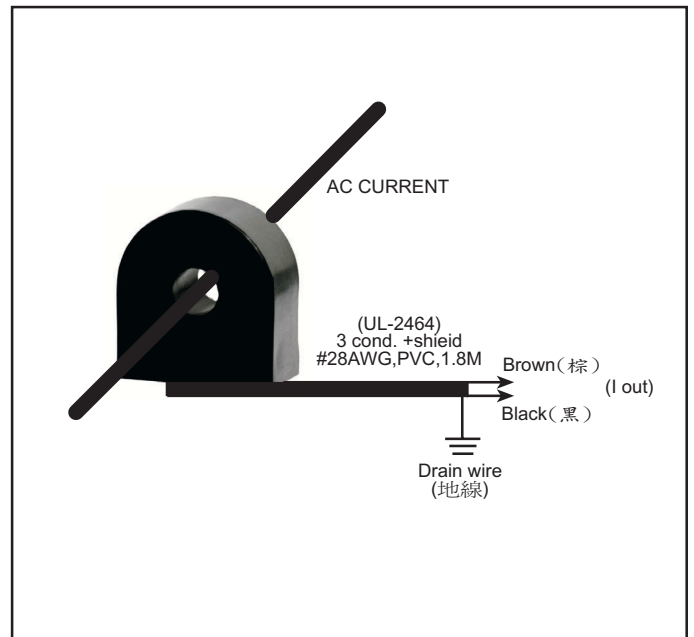
NO	Current Range (Max.Load)	NO	Output Cable Length
1	AC0~5A/0~2mA(<250 ohm)	1	1.8M
2	AC0~50A/0~20mA(<25 ohm)	9	Customer
3	AC0~100A/0~40mA(<12.5 ohm)		
4	AC0~200A/0~100mA(<5 ohm)		

\*3 cond. +shield #28AWG,PVC

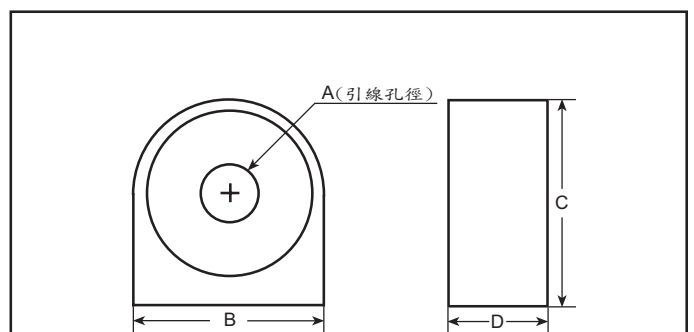
## 2.SPICIFICATION (主要規格)

- Measuring accuracy (精確度) : 0.2% F.S.(25±15°C)
- Maximum input over (最大過載能力) : Current related input: 3 x rated continuous  
10 x rated 30 sec. 25 x rated 3 sec.  
50 x rated 1 sec.
- Input frequency range (輸入頻率範圍) : 20Hz~100KHz
- Maximum output burden (最大輸出負載) : <0.5VA
- Temp. coefficient (溫度係數) : 25ppm/°C (25±35°C)
- Insulation resistance (絕緣阻抗) : >100M ohm with 500VDC
- Dielectric strength (絕緣耐壓能力) : 2KVac/1 min. (input/output)
- Impulse test (沖擊測試) : ANSI C37.90a/1974,DIN-IEC 255-4  
impulse voltage 5KV(1.2x50us)
- Surge test (ring wave) (突波測試) : 2.5KV-0.25ms/1MHz(IEC255-4)
- RFI protection (RFI保護) : 2W-150MHz at 2 meter causes less than 0.5% change in output
- Operating condition (使用環境條件) : -20~75°C (20 to 90% RH non-condensed)
- Storage condition (存放環境條件) : -30~90°C (20 to 90% RH non-condensed)
- Case materials (外殼材料) : PBT(UL94-VO)
- CE EMC Certification (CE 認證) : EN 55022:1998/A1:2000 Class A  
EN 61000-3-2:2000  
EN 61000-3-3:1995/A1:2001  
EN 55024:1998/A1:2001

## 3.TERMINAL CONNECTION (接線圖)



## 4.DIMENSION (unit:mm) (外型尺寸)



MODEL	A(max.)	B(max.)	C(max.)	D(max.)
CTA-1	6.6	23.5	25.2	11.0
CTA-2	9.0	26.0	28.2	17.0
CTA-3	13.0	37.5	39.0	14.2
CTA-4	18.2	50.0	55.0	20.1