

SC3系列

三位半電壓、電流表，傳感器二次表使用說明書

感謝你選購 **intorl** 公司生產的電流電壓儀表。在使用之前，請閱讀此使用說明，以便正確操作和安裝聯接儀表。

功能部件概述:

- ① 測量過程值顯示LED
- ② 儀表滿刻度不準確校正可調電位器位置
- ③ 儀表零點不準確校正可調電位器的位置

型號指南:

SC 3-□□□-□□□□□-□ M 毫伏或毫安, V 伏特, A 安培
 數值範圍
 (P)AV 交流電壓 (P)AA 交流電流
 (P)DV 直流電壓 (P)DA 直流電流
 (P)DS 傳感器專用表

例如: SC 3-PAV-600V 表示SC 3系列上下限交流電壓表, 測量範圍是 0~600V。

型號

型號	量程(最大分辨率)	輸入阻抗	輸入極限
SC 3-(P)DV	19.99mV 1.999V 19.99V 199.9V 600.0V	>4Mohm	20%F.S
SC 3-(P)DA	19.99mA 1.999A 5.000A 標準75mV輸入	<10hm	15%F.S
SC 3-(P)AV	1.999V 19.99V 600.0V	>4Mohm	20%F.S
SC 3-(P)AA	19.99mA 1.999A 標準5.000A輸入	<10hm	15%F.S

測量不準確度: $\pm 0.5\%F.S \pm 2$ 個字

說明: 1.在測量交流電流, 輸入電流大于5A, 必須在輸入端子接電壓互感器CT。CT的二次變比電流為5A。

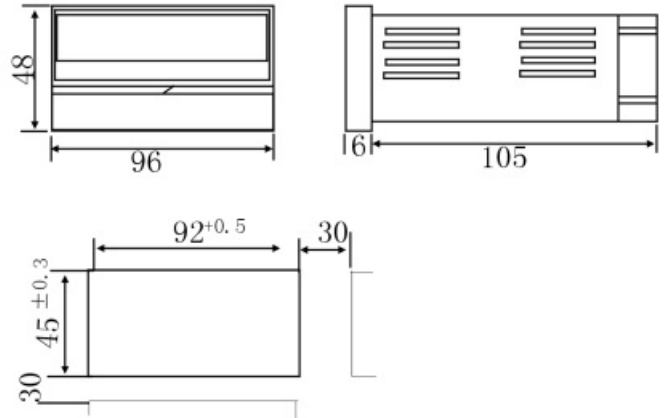
2.在測量交流電壓, 輸入電壓大于1000V, 必須在輸入端子接電壓互感器PT。PT的二次變比電壓為100V。

3.直流電流表在測量時, 輸入電流大于5A 必須在輸入端子并入電流分流器, 分流器的二次變比電壓為75mV。

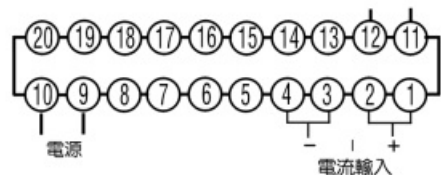
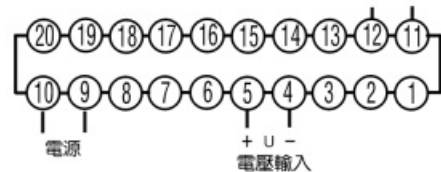
技術參數:

顯示方式	0.56" 紅色LED 顯示
測量精度	0.5%R.D \pm 3Digital
採樣周期	2次/秒
響應時間	0.25秒
溢出顯示	"1" 或 "-1"
串模抑制	>NMR 40dB(50Hz/60Hz)
極性顯示	"-"
測量方式	雙積分A/D轉換
操作環境	0~50°C (相對濕度35%~85%)
電源電壓	165V~265V 50Hz/60Hz
電抗強度	AC1500V/1分鐘在端子與端子之間按標準測試
絕緣強度	>50MOHM (DC500V, 端子與端子之間按標準測試)

開孔尺寸



端子接綫圖

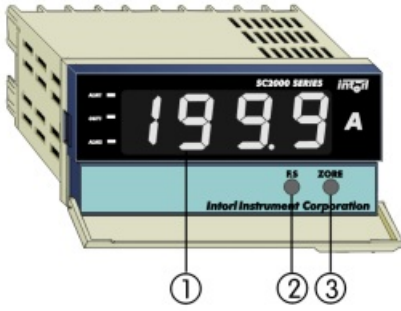


其他說明

SC 3系列儀表廣泛應用於電壓、電流的測量和控制。它具有顯示範圍可通過面板窗口任意調整, 達到重新校準的特點, 可以適應各種分流器、互感器的匹配。小電流4~20mA或小電壓0~5V等配合使用完全代替專用的傳感器二次儀表使用。

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SC3 SERIES

Voltmeter, Ammeter and Sensor monitor

INSTRUCTION MANUAL

Thanks for you selecting **intertek** meter. This manual primarily describes precautions required in installing and wiring the meter. We herewith introduce operation of SC 3 for your reference.

Functional Description:

- ① Process-value display unit .
- ② Full scale adjust
- ③ Zero point adjust

Ordering Code:

SC 3- M mV or mA, V volt , A ampere
 ———— Measurement of range
 (P) AV ac voltage (P) AA ac ampere
 (P) DV dc voltage (P) DA dc ampere
 (P) DS monitor for sensor

Example: SC 3-PAV-600V indicate a SC 3 series ac voltage meter with higher & lower alarm. and the range are 0 ~o 600V.

DC & AC Measurement

Model	Range (Maximum Resolution)	Input Impedance	Input Protection
SC 3-(PIDV)	19.99mV 1.999V 600.0V 19.99V	>4Mohm	20%F.S
SC 3-(PIDA)	19.99mA 1.999A 5.000A Standard 75mV input	<10hm	15%F.S
SC 3-(PIAV)	1.999V 19.99V 600.0V	>4Mohm	20%F.S
SC 3-(PIAA)	19.99mA 1.999A Standard 5.000A input	<10hm	15%F.S

Accuracy: $\pm 0.5\% \pm 2$ Digital

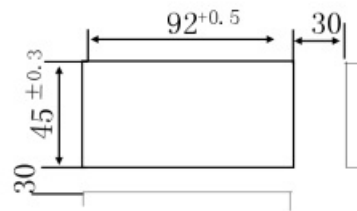
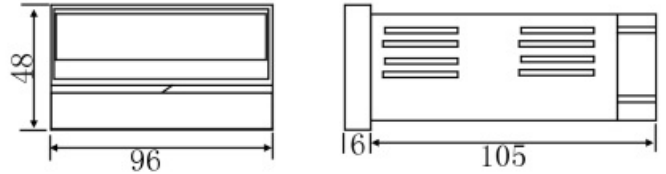
Notes: Attention please , With AC C.T of the ampere is 5A that input current are bigger than 5A . and AC P.T of voltage second is 100V, if input voltage are higher than 1000V.

And With DC Shunt Resistor of the second voltage is 75mV , that input current are bigger that 5A.

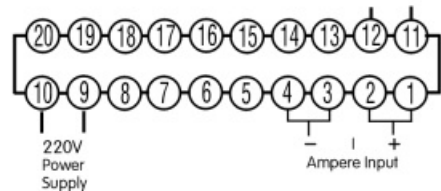
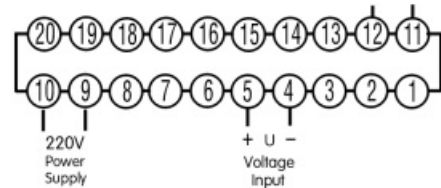
Specification

Display	0.56" red LED 4digit displays
Accuracy	0.5%R.D \pm 3Digital
Resond Time	0.25S
Rate	2/Sec
Over range	"-1" or "1"
A/D conerter	Dual slope
NMR	>40dB (50Hz/60Hz)
Op. Temp.	0~50°C (35%~85%RH)
Power Supply	Ac 165~250V free power supply(50Hz/60Hz)
Dielectric Strength	Ac 1500V/1min(Between power supply terminal and input terminal, earth, common, case.
Insulation Resistance	DC 500V 100Mohm at above terminal..

Dimensions



Connection Diagram



Other Features

The SC 3Series meters spacious used measuring and controlling for voltage ,ampere. Their have the feature that their must not adjust for free change the range though the software.

And fit in with any shunt resistor, transformer . Used apply the to remote monitor for sensor .

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