

3 1/2 位數數位電錶 (附類比輸出功能)

(3 1/2 DIGITAL METER BUILT IN A/O)

MODEL
M1A



特點(FEATURES)

精確度 0.1% 滿刻度 ± 1 位數 (Accuracy 0.1% F.S. ± 1 digit)
 可量測 交直流電流/交直流電壓/電位計/傳送器/Pt-100/荷重元/電阻 等信號
 (Measuring DCA/DCV/ACA/ACV/Potentiometer/Transmitter/Pt-100/Load Cell/Resistor/etc.....)
 輸入與輸出絕緣耐壓 2 仟伏特/1 分鐘 (Dielectric strength 2KVac/min. (input/output/power))
 突波耐壓強度 4 仟伏特 (1.2x50us) (Surge test 4KV(1.2x50us))
 穩定性高 (High stability)

(顯示範圍與規格)

1. MODEL: M1A- (選購型號)

(最小值)-(最大值)-(單位)
 [Min.] [Max.] [Unit]

NO	Input Type	NO	DCV(ACV)	NO	DCA(ACA)	NO	Potentiometer	NO	Transmitter	NO	Pt-100	NO	Analog output	NO	Aux. Power
A	DC	11	0-50mV	21	0-19.99uA	31	0-10%	41	DC4-20mA	51	-50.0-+50.0	1	DC4-20mA	A	AC110/220V
B	AC(RMS)	12	0-5V	22	0-199.9uA	32	0-50%	42	DC1-5V	52	-100.0-+100.0	2	DC0-10V	B	DC24V
C	AC(TRMS)	13	0-10V	23	0-1.999mA	33	0-100%	43	DC4-20mA	53	-199.9-+199.9	3	DC4-20mA	C	DC48V
D	Potentiometer	14	0-36V	24	0-19.99mA	34	5-95%	44	DC1-5V	54	0-+850	4	DC0-10V	D	DC110V
E	Transmitter	15	0-54V	25	0-199.9mA	35	10-90%	49	SPECIFIED	55	-200-+850	9	SPECIFIED	O	SPECIFIED
F	Pt-100(RTD)	16	0-110V	26	0-1.999A	39	SPECIFIED	59	SPECIFIED						
H	Load Cell	17	0-600V	27	0-5.00A										
R	Resistor	18	0-1000V	28	0-10.00A										
O	SPECIFIED	19	SPECIFIED	29	SPECIFIED										

Three wire connection
 Exciting voltg
 DC5V(<5mA)

41/42 nonexciting
 DC20V
 43/44 exciting
 DC20V(<25mA)

Three wire connection

1-2 non-isolating
 3-4 isolating

± 20% of rate less
 3VA for AC input
 ± 20% of rate less
 3 WATT for DC input

2. SPECIFICATION (主要規格)

Measuring accuracy : 0.1% F.S. ± 1 digit
 (精確度) (23 ± 5) : 0.2% F.S. ± 1 digit (AC(RMS))
 Sampling time : 2 cycles/sec.
 (取樣時間)
 Over input indication : " 1 " or " -1 "
 (過載顯示)
 Display : Red high efficiency LEDs high 14.22mm (.56")
 (顯示幕)
 Polarity display : When input is negative " _ " display
 (極性顯示)
 Response time : <250ms (0-90%)
 (輸出反應時間)
 Output drive capability : <10mA for voltage mode
 (輸出負載能力)
 Output ripple (p-p) : <0.1% F.S.
 (輸出之漣波)
 Zero (offset) range : 0- ± 100 digit (display)
 (歸零調整範圍) : 0- ± 5% F.S. (analog output)
 Span (scale) range : 0- ± 200 digit (display)
 (最大值調整範圍) : 0- ± 10% F.S. (analog output)
 Temp. coefficient : 100ppm/ (0-50)
 (溫度係數)
 Isolation : Input/Output/Power/Case
 (隔離特性)
 Insulation Resistance : >100Mohm with 500VDC
 (絕緣阻抗)
 Surge test : ANSI c37.90a/1974, DIN-IEC 255-4
 (突波測試) : impulse voltage 4KV(1.2x50us)
 Dielectric strength : 2KVac/1 min. (input/output/power)
 (絕緣耐壓能力) : 1600 Vdc(input/output)
 Operating condition : 0-50 (20 to 90% RH non-condensed)
 (使用環境條件)
 Storage condition : 0-70 (20 to 90% RH non-condensed)
 (存放環境條件)

3. OUTSIDE DIMENSION AND CONNECTION DIAGRAM (外型尺寸與開孔尺寸與配線圖)

