

薄型二迴路類比信號輸入隔離傳送器

(SLIM TYPE TWO CHANNEL ANALOG SIGNAL ISOLATED TRANSMITTER)

MODEL
SDAT



■特點(FEATURES)

- 精確度0.1%滿刻度±1位數(Accuracy 0.1% F.S. ±1digit)
- 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...)
- 二迴路類比信號輸入與輸出隔離功能(Two channel input signal isolated output for design)
- 輸入1/輸入2與輸出1/輸出2與電源絕緣耐壓1.5仟伏特/1分鐘
(Dielectric strength 1.5KVac/1min(input1/input2/output1/output2/power))
- 寬範圍交直流兩用電源設計(Wide input range for auxiliary power)
- 尺寸小,穩定性高(Dimension small & High stability)

1. MODEL:SDAT-□□□□-□□□□
(選購型號)

NO	Input Type	NO	DCV(ACV)	NO	DCA(ACA)	NO	Potentiometer	NO	Transmitter	NO	Pt-100	NO	Load Cell	NO	Output Range	NO	Aux.Power
A	DC	11	0~50mV	22	0~200uA	31	0~10%	41	DC4~20mA	51	0~50°C	61	2mV/V	A	0~50mV	A	AC/DC18~60V
B	AC(RMS)	12	0~5V	23	0~2mA	33	0~100%	42	DC1~5V	52	0~100°C	62	3mV/V	C	1~5V	B	AC/DC90~260V
C	AC(TRMS)	13	0~10V	24	0~20mA	34	5~95%	43	DC4~20mA	53	0~200°C	63	2mV/V	D	0~10V		*Less 4VA for AC/DC input
D	Potentiometer	14	0~36V	25	0~200mA	35	10~90%	44	DC1~5V	54	0~850°C	64	3mV/V	F	0~1mA		
E	Transmitter	15	0~54V	26	0~2A	39	SPECIFIED	49	SPECIFIED	59	SPECIFIED	69	SPECIFIED	H	0~20mA		
F	Pt-100(RTD)	16	0~110V	27	0~5A		*Exciting voltage DC1.24V(<10mA)	*41/42 non-exciting DC24V *43/44 exciting DC24V (<25mA, only input 1)	*Three wire connection *Exciting current (<1.24mA)	*61/62 Exciting DC5V(<50mA) *63/64 Exciting DC10V(<50mA) *Input 1/2 is non-isolating		I	4~20mA				
H	Load Cell	19	SPECIFIED	29	SPECIFIED									R	SPECIFIED		
R	Resistor																

2. SPECIFICATION (主要規格)

- Measuring accuracy (精確度)(23±5°C) :0.1% F.S. (0.25% F.S.(AC(RMS)))
- Input resistance (輸入阻抗) :>1Mohm(<100V ranges) >2Mohm(>100V ranges) >5Mohm(>500V ranges) <0.2VA(Current ranges)
- Potentiometer exciting voltage:DC1.24V(<10mA) (電位計電源)
- Load Cell exciting voltage :DC5V/10V(<50mA) (荷重元電源)
- Pt-100 exciting current :<1.25mA (Pt-100量測電流)
- Resistor sensor current :0~100 ohm(<10mA) 0~1 Kohm(<1mA) 0~10 Kohm(<100uA) 0~100 Kohm(<10uA) (電阻量測電流)
- Response time (輸出反應速度) :<250ms(0~90%)
- Output drive capability (輸出負載能力) :<10mA for voltage mode <10V for current mode
- Output ripple(p-p) (輸出之漣波) :0.1%F.S.
- Zero(offset) range (歸零調整範圍) :0~±5% F.S.
- Span(scale) range (最大值調整範圍) :0~±10% F.S.
- Temp. coefficient (溫度係數) :100ppm/°C (0~50°C)
- Isolation (隔離特性) :Input1/Input2/Output1/Output2/Power/Case
- Insulation Resistance (絕緣阻抗) :>100Mohm with 500Vdc
- Dielectric strength (絕緣耐壓能力) :1.5KVac/1 min.(input1/input2/output1/output2/power) 1200Vdc(input/output)
- Operating condition (使用環境條件) :0~60°C (20 to 90% RH non-condensed)
- Storage condition (存放環境條件) :0~70°C (20 to 90% RH non-condensed)
- 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 EN55024:1998/A1:2001

3. OUTSIDE DIMENSION (unit=mm) AND CONNECTION DIAGRAM

(外型尺寸(unit=mm)與配線圖)

