SLIM TYPE TWO CHANNEL ANALOG SIGNAL ISOLATED TRANSMITTER

MODEL SDAT

■ FEATURES

- Accuracy 0.1% F.S. ±1digit
- Measuring DCA/DCV/ACA/ACV/Potentiometer/Transmitter/Pt-100/Load Cell/Resistor/etc...
- Two channel input signal isolated output for design
- Dielectric strength 1.5KVac/1min(input1/input2/output1/output2/power)
- Wide input range for auxiliary power
- Dimension small & High stability

1.MODEL:SDAT-□ □□ □□ - □ □ □

NO	Input Type
A	DC
B	AC(RMS)
C	AC(TRMS)
D	Potentiometer
E	Transmitter
F	Pt-100(RTD)
H	Load Cell
R	Resistor

NO	DCV(ACV)
11	0~50mV
12	0~5V
13	0~10V
14	0~36V
15	0~54V
16	0~110V
19	SPECIFIED

NO	DCA(ACA)
22	0~200uA
23	0~2mA
24	0~20mA
25	0~200mA
26	0~2A
27	0~5A
29	SPECIFIED

NO	Potentiometer
31	0~10%
33	0~100%
34	5~95%
35	10~90%
39	SPECIFIED

•Exciting voltage DC1.24V(<10mA)

NO	Transmitter
41	DC4~20mA
42	DC1~5V
43	DC4~20mA
44	DC1~5V
49	SPECIFIED

•41/42 non-exciting DC24V
•43/44 exciting DC24V (<25mA,only input 1)

NO	Pt-100
51	0~50°C
52	0~100°C
53	0~200°C
54	0~850°C
59	SPECIFIED

•Three wire connection
•Exciting current (<1.24mA)

NO	Load Cell
61	2mV/V
62	3mV/V
63	2mV/V
64	3mV/V
69	SPECIFIED

•61/62 Exciting DC5V(<50mA)
•63/64 Exciting DC10V(<50mA)
•Input 1/2 is non-isolating

NO	Output Range
A	0~50mV
C	1~5V
D	0~10V
F	0~1mA
H	0~20mA
I	4~20mA
R	SPECIFIED

NO	Aux.Power
A	AC/DC18~60V
B	AC/DC90~260V

•Less 4VA for AC/DC input

2.SPECIFICATION

•Measuring accuracy (23±5℃) :0.1% F.S.
0.25% F.S.(AC(RMS))
•Input resistance :>1Mohm(<100V ranges)
>2Mohm(>100V ranges)
>5Mohm(>500V ranges)
<0.2VA(Current ranges)
•Potentiometer exciting voltage:DC1.24V(<10mA)
•Load Cell exciting voltage :DC5V/10V(<50mA)
•Pt-100 exciting current :<1.25mA
•Resistor sensor current :0~100 ohm(<10mA)
0~1 Kohm(<1mA)
0~10 Kohm(<100uA)
0~100 Kohm(<10uA)
•Response time :<250ms(0~90%)
•Output drive capability :<10mA for voltage mode
<10V for current mode
•Output ripple(p-p) :0.1%F.S.
•Zero(offset) range :0~±5% F.S.
•Span(scale) range :0~±10% F.S.
•Temp. coefficient :100ppm/℃(0~50℃)
•Isolation :Input1/Input2/Output1/Output2/Power/Case
•Insulation Resistance :>100Mohm with 500VDC
•Dielectric strength :1.5KVac/1 min.(input1/input2/Output1/Output2/power)
1200Vdc(input/output)
•Operating condition :0~60℃(20 to 90% RH non-condensed)
•Storage condition :0~70℃(20 to 90% RH non-condensed)
•CE EMC Certification :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