



ASTER
INSTRUMENTS

SIGNAL MULTIPLEXER / ISOLATOR



- ✓ Universal Process Input
- ✓ Microprocessor based Design
- ✓ Isolated 0/4-20 mA or 0-10 V/
0-5V/1-5 V Process Value
- ✓ Retransmission Output
- ✓ 0.1 % Accuracy of FSD
- ✓ Transmitter Loop Power Supply
with Current Limit as per
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- Microprocessor based Design

TECHNICAL SPECIFICATION :-

INPUT :

TYPE	RANGE
0) RTD –PT 100	-99 TO 400 'C
1) RTD.1 –PT 100	-99.9 TO 400.0 'C
2) J T/C	0 TO 750 'C
3) K T/C	0 TO 1200 'C
4) 4-20mA	
5) 0-20 mA	
6) 0-10 VDC /0-12VDC	
7) 0-5 VDC	
8) 1-5 VDC	
9) RS-485 (MODBUS)	

OUTPUT-1

ISOLATED 0-20mA /4-20 mA / 0-10V

OUTPUT-2:

ISOLATED 0-20mA /4-20 mA / 0-10V

ACCURACY :

0.25 % ON FSD for RTD AND T/C

+/- 0.1 % of span for linear (4-20mA /0-20mA/ 0-10V)

LED STATUS INDICATION :

POWER , ZERO-1,SPAN-1,ZERO-2,SPAN-2 (INSIDE OF ENCLOSURE)

ISOLATION :

Between INPUTS // OUTPUTS // POWERSUPPLY

ISOLATION TYPE:

OPTICAL AND GALVANIC

ISOLATION LEVEL:

1.5 KV rms for one minute

COMMUNICATION :

RS-485 MODBUS (OPTIONAL)

TRANSMITTER

24 V DC @ 30 mA max, isolated from INPUT & OUTPUT

POWER SUPPLY

Mounting

Din Rail

Dimensions

45 X 75 X 105 (L X H X D)

POWER

- 1) 90-300 VAC/VDC SMPS
- 2) 24VDC (OPTIONAL)

ORDERING CODE :

AI-2000

X

X

X

X

X

X

INPUT TYPE :

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POWER SUPPLY :

0	85-275 VAC
1	24 VDC

TRANSMITTER POWER SUPPLY

0	NOT APPLICABLE
1	24V DC(30 mA) Isolated

COMMUNICATION (OPTIONAL):

0	NOT APPLICABLE
1	RS-485 (MODBUS)

OUTPUT - 1 :

NO OUTPUT	0
4-20 mA	1
0-20 mA	2
0-10 V	3
0-5 V	4
1-5 V	5

OUTPUT - 2 :

NO OUTPUT	0
4-20 mA	1
0-20 mA	2
0-10 V	3
0-5 V	4
1-5 V	5



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