



ASTER  
INSTRUMENTS

# 16 Channel Universal Process Scanner/Data Logger



- ✓ Universal Input for each Analog Channel
- ✓ Separate Display for Channel No, Process Value and Process Parameter
- ✓ Front Panel Programming
- ✓ Fast Sampling rate with instantaneous relay action
- ✓ Eight relays for alarm/trip
- ✓ RS485 Serial Communication port for remote monitoring
- ✓ USB Port for inbuilt Data Logging
- ✓ Non Volatile memory Store Data Logging Reading
- ✓ Real Time Clock for Save Reading Time
- ✓ Multiple Levels of configuration and password protection

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- ✓ Real Time Clock for Save Logging Reading
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- ✓ RS485 Serial Communication
- ✓ Eight relays for alarm/trip instantaneous relay action
- ✓ Fast Sampling rate with
- ✓ Front Panel Programming Parameter

**TECHNICAL SPECIFICATION :-****Model**

AUS - 16

**Display**

Upper:- Process Value - 4 Digit 7 Seg 0.56", Red Led Display

Lower:- Channel No - 1 Digit 7 Seg 0.56", Green Led Display

Relay Status - 3 Digit 7 Seg 0.40", Green Led Display

**SIZE**

192 (H) X 96 (W) X 150 (D) mm

**PANEL CUTOUT**

188 X 92 mm

**Each Channel Input :**

TYPE	RANGE
1) RTD –PT 100	-99 TO 400 'C
2) RTD.1 –PT 100	-99.9 TO 400.0 'C
3) J T/C	0 TO 750 'C
4) K T/C	0 TO 1200 'C
5) R T/C	0 TO 1750 'C
6) S T/C	0 TO 1750 'C
7) T T/C	-200 TO 400 'C
8) E T/C	-200 TO 1000 'C
9) N T/C	-200 TO 1300 'C
10) B T/C	450 TO 1800 'C
11) 4 - 20mA	- 1999 to 9999
12) 0 - 20 mA	
13) 0 – 10 V	
14) 0 – 5 V	
15) 1 – 5 V	
16) 0 -75mV	
17) 0-100mV	

**ACCURACY :**

+/- 0.1 % of FSD OR +/- 1 Count

**ADC RESOLUTION**

22 bit

**LED STATUS INDICATION :**

Status for each Relay

**TECHNICAL SPECIFICATION :-****Data- Logging****Features**

Memory Type	Non -Volatile (2 Mb) / 128Mb (OPTIONAL)
Data-Logging Type	Periodic
RTC Time Format	DD/MM/YY HH:MM:SS
Sampling Time	1 Sec Minimum (Programmable)
USB Port	1 (USB 2.0) Mass Storage
USB Function	For Retrieving Logged Data Only
Storage Device Format	FAT 32
Data Fetch File Format	.csv (Microsoft Excel)
Data Retrieving Option	Full data Fetch
Periodic Logging Sample Numbers	4000 Max / 2 LAKH+(OPTIONAL)
Alarm Indication for Memory Full	After 75 % memory Occupied

**COMMUNICATION :**

ISOLATED RS485 ( MODBUS – RTU )

**RELAY OUTPUT**

8 RELAY OUTPUT (C,NO,NC)

**RELAY RATINGS**

2A @ 230VAC / 30VDC

**POWER**

- 1) 85-265 VAC / VDC , 50/ 60 HZ
- 2) 18 – 36 VDC

ORDERING CODE :

**AUS - 16** -

X X X X X

INPUT TYPE :

TYPE	RANGE
0) Universal Input Below All	
1) RTD -PT 100	-99 TO 400 °C
2) RTD.1 -PT 100	-99.9 TO 400.0 °C
3) J T/C	0 TO 750 °C
4) K T/C	0 TO 1200 °C
5) R T/C	0 TO 1750 °C
6) S T/C	0 TO 1750 °C
7) T T/C	-200 TO 400 °C
8) E T/C	-200 TO 1000 °C
9) N T/C	-200 TO 1300 °C
10) B T/C	450 TO 1800 °C
11) 4- 20mA	- 1999 to 9999
12) 0 - 20 mA	
13) 0 - 10 V	
14) 0 - 5 V	
15) 1 - 5 V	
16) 0-75mV	
17) 0-100mV	

8 Relay Output

NO OUTPUT	0
RELAY	1
SSR	2

POWER SUPPLY :

0	85-275 VAC
1	24 VDC

COMMUNICATION (OPTIONAL):

0	NOT APPLICABLE
1	RS-485 (MODBUS)

Data Logging- USB Output

NO OUTPUT	0
USB	1



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