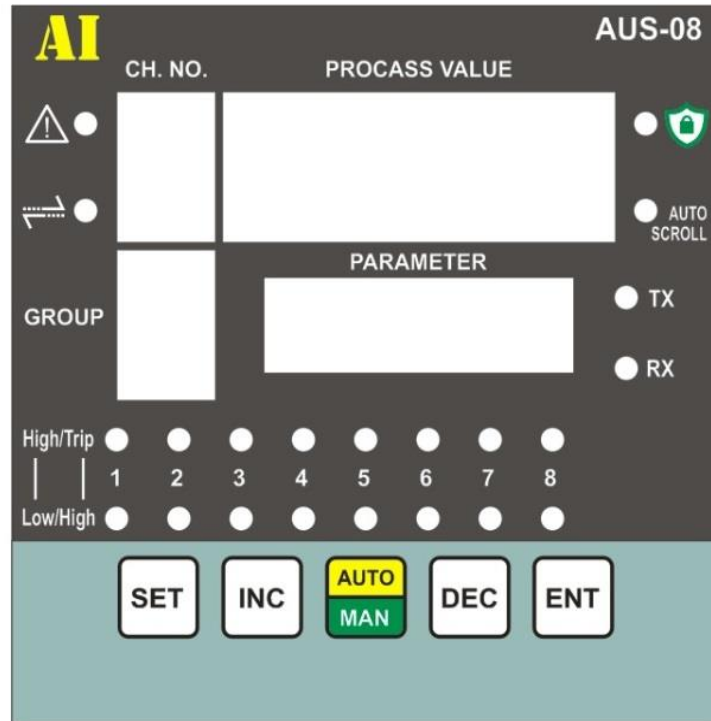





**Front Side**



|               |                                    |
|---------------|------------------------------------|
| CH No.        | Channel No                         |
| PROCESS VALUE | Present Channel Value              |
| PARAMETER     | Selected input for Current Channel |
| Group         | Group No for Relay Mapping         |

**Note:-**

- 1) Press  for Continuous Scrolling or Manual Scrolling. When Manual Mode will on than Auto scroll led will be off.
- 2) In Manual Mode use  or  Key for select next or previous channel respectively.

## Terminal Diagram

|               |           |  |             |           |           |             |           |           |             |           |           |            |           |
|---------------|-----------|--|-------------|-----------|-----------|-------------|-----------|-----------|-------------|-----------|-----------|------------|-----------|
| <b>C</b>      | <b>+</b>  | <b>-</b>                                   | <b>C</b>    | <b>+</b>  | <b>-</b>  | <b>C</b>    | <b>+</b>  | <b>-</b>  | <b>C</b>    | <b>+</b>  | <b>-</b>  |            |           |
| <b>CH-1</b>   |           |  | <b>CH-2</b> |           |           | <b>CH-3</b> |           |           | <b>CH-4</b> |           |           | <b>X</b>   | <b>X</b>  |
| <b>1</b>      | <b>2</b>  | <b>3</b>                                   | <b>4</b>    | <b>5</b>  | <b>6</b>  | <b>7</b>    | <b>8</b>  | <b>9</b>  | <b>10</b>   | <b>11</b> | <b>12</b> |            |           |
|               |           |  |             |           |           |             |           |           |             |           |           |            |           |
| <b>C</b>      | <b>+</b>  | <b>-</b>                                   | <b>C</b>    | <b>+</b>  | <b>-</b>  | <b>C</b>    | <b>+</b>  | <b>-</b>  | <b>C</b>    | <b>+</b>  | <b>-</b>  | <b>B</b>   | <b>A</b>  |
| <b>CH-5</b>   |           |  | <b>CH-6</b> |           |           | <b>CH-7</b> |           |           | <b>CH-8</b> |           |           | <b>COM</b> |           |
| <b>13</b>     | <b>14</b> | <b>15</b>                                  | <b>16</b>   | <b>17</b> | <b>18</b> | <b>19</b>   | <b>20</b> | <b>21</b> | <b>22</b>   | <b>23</b> | <b>24</b> | <b>25</b>  | <b>26</b> |
|               |           |  |             |           |           |             |           |           |             |           |           |            |           |
| <b>27</b>     | <b>28</b> | <b>8 CHANNEL UNIVERSAL PROCESS SCANNER</b> |             |           |           |             |           |           |             |           |           |            |           |
| <b>L</b>      | <b>N</b>  | <b>asterinstruments@gmail.com</b>          |             |           |           |             |           |           |             |           |           |            |           |
| <b>SUPPLY</b> |           | <b>SR NO:-20220806001</b>                  |             |           |           |             |           |           |             |           |           |            |           |

**Note :-**

- 1) For RTD input connect both Red wire on “ C ” and “ + ” Terminal & white Wire on “ - ” Terminal.
- 2) For 4-20 mA input , use 100 ohm (0.1 %) Resistor across “+” and “-” Terminal.
- 3) For 0-10 V and Thermocouple Input, use “+” and “—” Terminal.
- 4) Operating Power Supply voltage is 85-265 VAC , 50 Hz.

# Basic Configuration Setting

Press **INC** + **ENT** Key for 3 second.



1 0005

For the change Scan Time, Press **INC** or **DEC** Key

Scan time ( 3 to 255 Second)

ScTy

Press **SET** Key for next parameter

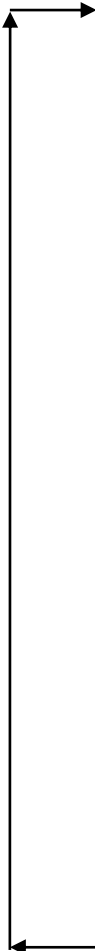
1 0002

Slave Id for Modbus Communication ( 1 to 255)

SLId

Press **SET** Key

Press **ENT** Key for Save & Exit



# Input Selection

Press **SET** + **INC** Key for 3 second.



1

r t d . 1

For the change Input Type, Press **INC** or **DEC** Key

( RTD.1 / RTD1 / J-TC / K-TC / R-TC / S-TC / T-TC / E-TC /  
B-TC / N-TC / 4-20 mA / 0-20 mA / 0-10 V )

i n p t

.

**SET**

. Press Key for next parameter

.

.

.

8

r t d . 1

(Repeat the same Procedure for all 8 Channel)

i n p t

Press **SET** Key

Press **ENT** Key for Save & Exit



# Offset Setting

Press **INC** + **DEC** Key for 3 second.



1

0 0 0 0

For the change offset value, Press **INC** or **DEC** Key

0 F 5 t

.

. Press **SET** Key for next parameter

.

.

8

0 0 0 0

(Repeat the same Procedure for all 8 Channel)

0 F 5 t

Press **SET** Key

Press **ENT** Key for Save & Exit

# Channel Skip - Unskip Setting

Press **DEC** + **ENT** Key for 3 second.



1

NO

For the change parameter, Press **INC** or **DEC** Key

SKIP

(NO – UNSKIP / YES - SKIP)

.

**SET**

. Press Key for next parameter

.

.

8

NO

(Repeat the same Procedure for all 8 Channel)

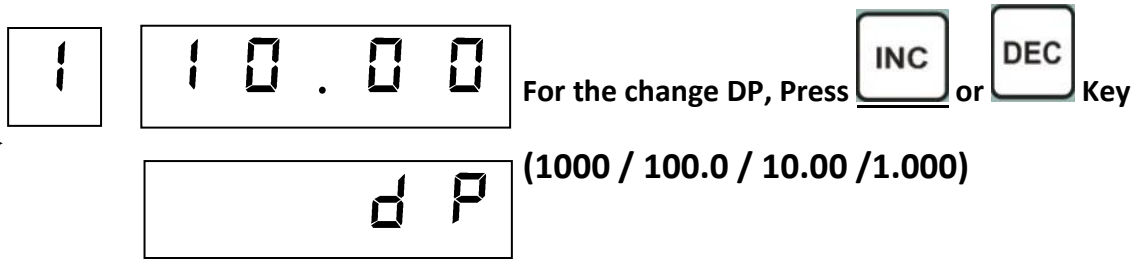
SKIP

Press **SET** Key

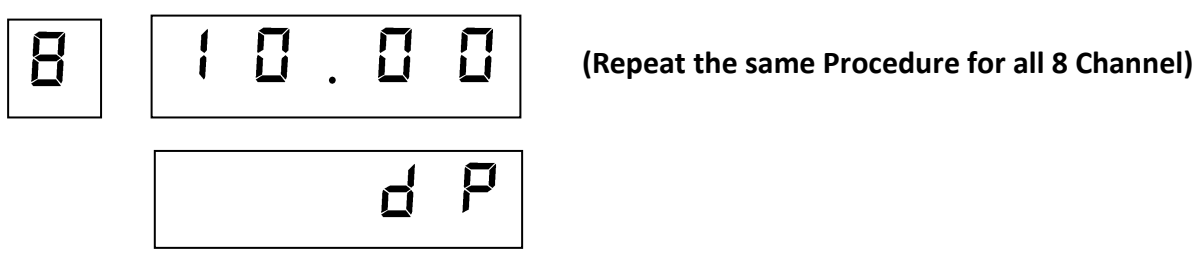
Press **ENT** Key for Save & Exit

# Decimal Point Selection

Press **SET** + **DEC** Key for 3 second.



. Press **SET** Key for next parameter



Press **SET** Key

Press **ENT** Key for Save & Exit

# Analog Range Selection

Press **SET** + **ENT** Key for 3 second.



1

0 0 0 0

For the change parameter, Press **INC** or **DEC** Key

channel 1 Low range

r n 9 L

Press **SET** Key for next parameter

1

1 0 0 0

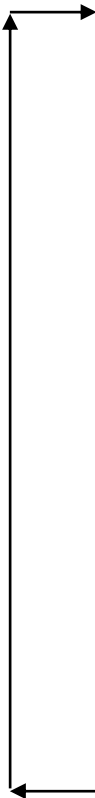
Channel 1 High Range

r n 9 h

(Repeat the same Procedure for all 8 Channel)

Press **SET** Key

Press **ENT** Key for Save & Exit





## MODBUS MAP

| SR NO | REGISTER NO | DESCRIPTION | R/W | COMMENT   |
|-------|-------------|-------------|-----|---|
| 1     | 40000       | PV-1        | R   | PRESENT VALUE FOR ALL CHANNEL<br>32767-OPEN,<br>32765- LOW,<br>32766-HIGH,<br>32764-SKIPPED CHANNEL<br>INDICATION |
| 2     | 40001       | PV-2        | R   |   |
| 3     | 40002       | PV-3        | R   |   |
| 4     | 40003       | PV-4        | R   |   |
| 5     | 40004       | PV-5        | R   |   |
| 6     | 40005       | PV-6        | R   |   |
| 7     | 40006       | PV-7        | R   |   |
| 8     | 40007       | PV-8        | R   |   |
| 9     | 40008       | SK-1        | R/W | 0- NO & 1-YES SKIP CHANNEL  |
| 10    | 40009       | SK-2        | R/W |   |
| 11    | 40010       | SK-3        | R/W |   |
| 12    | 40011       | SK-4        | R/W |   |
| 13    | 40012       | SK-5        | R/W |   |
| 14    | 40013       | SK-6        | R/W |   |
| 15    | 40014       | SK-7        | R/W |   |
| 16    | 40015       | SK-8        | R/W |   |
| 17    | 40016       | DP-1        | R/W | DECIMAL POINT<br>0-1000,<br>1-100.0,<br>2-10.00,<br>3-1.000   |
| 18    | 40017       | DP-2        | R/W |   |
| 19    | 40018       | DP-3        | R/W |   |
| 20    | 40019       | DP-4        | R/W |   |
| 21    | 40020       | DP-5        | R/W |   |
| 22    | 40021       | DP-6        | R/W |   |
| 23    | 40022       | DP-7        | R/W |   |
| 24    | 40023       | DP-8        | R/W |   |
| 25    | 40024       | RNGL-1      | R/W | LOW RANGE FOR LINEAR INPUT  |
| 26    | 40025       | RNGL-2      | R/W |   |
| 27    | 40026       | RNGL-3      | R/W |   |
| 28    | 40027       | RNGL-4      | R/W |   |
| 29    | 40028       | RNGL-5      | R/W |   |
| 30    | 40029       | RNGL-6      | R/W |   |
| 31    | 40030       | RNGL-7      | R/W |   |
| 32    | 40031       | RNGL-8      | R/W |   |
| 33    | 40032       | RNGH-1      | R/W | HIGH RANGE FOR LINEAR INPUT   |
| 34    | 40033       | RNGH-2      | R/W |   |
| 35    | 40034       | RNGH-3      | R/W |   |
| 36    | 40035       | RNGH-4      | R/W |   |
| 37    | 40036       | RNGH-5      | R/W |   |
| 38    | 40037       | RNGH-6      | R/W |   |

|    |       |          |     |  |
|----|-------|----------|-----|--|
| 39 | 40038 | RNGH-7   | R/W |  |
| 40 | 40039 | RNGH-8   | R/W |  |
| 41 | 40040 | INPUT-1  | R/W | 0-RTD.1,<br>1-RTD,<br>2-J TC,<br>3-K TC,<br>4-R TC,<br>5-S TC,<br>10- 4-20mA,<br>12- 0-10V |
| 42 | 40041 | INPUT-2  | R/W |  |
| 43 | 40042 | INPUT-3  | R/W |  |
| 44 | 40043 | INPUT-4  | R/W |  |
| 45 | 40044 | INPUT-5  | R/W |  |
| 46 | 40045 | INPUT-6  | R/W |  |
| 47 | 40046 | INPUT-7  | R/W |  |
| 48 | 40047 | INPUT-8  | R/W |  |
| 49 | 40048 | OFFSET-1 | R/W | OFFSET SETTINGS FOR ALL CHANNEL  |
| 50 | 40049 | OFFSET-2 | R/W |  |
| 51 | 40050 | OFFSET-3 | R/W |  |
| 52 | 40051 | OFFSET-4 | R/W |  |
| 53 | 40052 | OFFSET-5 | R/W |  |
| 54 | 40053 | OFFSET-6 | R/W |  |
| 55 | 40054 | OFFSET-7 | R/W |  |
| 56 | 40055 | OFFSET-8 | R/W |  |

- BUAD RATE:- 9600,
- DATA BITS-8,
- STOP BIT-1,
- PARITY-NONE
- SALVE ID:- AS PER MENU SELECT(DEAFULT - 2)