

# ProSense Bar Graph Panel Meter

## DPM3-B-AT-A4R PRODUCT MANUAL

**For your safety, read and follow the considerations written in the instruction manual, other manuals and AutomationDirect.com website.**

The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

### Safety Considerations

- Observe all 'Safety Considerations' for safe and proper operation to avoid hazards.
- ⚠ symbol indicates caution due to special circumstances in which hazards may occur.

**⚠ Warning** Failure to follow instructions may result in serious injury or death

- 01. Fail-safe device must be installed when using the unit with machinery that may cause serious injury or substantial economic loss.** (e.g. nuclear power control, medical equipment, ships, vehicles, railways, aircraft, combustion apparatus, safety equipment, crime/disaster prevention devices, etc.)  
Failure to follow this instruction may result in personal injury, economic loss or fire.
- 02. Do not use or store the unit in the place where flammable/explosive/corrosive gas, high humidity, direct sunlight, radiant heat, vibration, impact or salinity may be present.**  
Failure to follow this instruction may result in explosion or fire.
- 03. Install on a device panel to use.**  
Failure to follow this instruction may result in fire or electric shock.
- 04. Do not connect, repair, or inspect the unit while connected to a power source.**  
Failure to follow this instruction may result in fire or electric shock.
- 05. Check 'Connections' before wiring.**  
Failure to follow this instruction may result in fire.
- 06. Do not disassemble or modify the unit.**  
Failure to follow this instruction may result in fire or electric shock.

**⚠ Caution** Failure to follow instructions may result in injury or product damage

- 01. Use the unit within the rated specifications.**  
Failure to follow this instruction may result in fire or product damage
- 02. Use a dry cloth to clean the unit, and do not use water or organic solvent.**  
Failure to follow this instruction may result in fire or electric shock.
- 03. Keep the product away from metal chip, dust, and wire residue which flow into the unit.**  
Failure to follow this instruction may result in fire or product damage.
- 04. Check the polarity of the measurement input before wiring.**  
Failure to follow this instruction may result in explosion or fire.

### Cautions during Use

- Follow instructions in 'Cautions during Use'. Otherwise, it may cause unexpected accidents.
- For connecting the power, use the crimp terminal (M3.5, max. 7.2 mm).
- 24 VDC power supply should be insulated and limited voltage/current or Class 2, SELV power supply device.
- Keep away from high voltage lines or power lines to prevent inductive noise. Do not use near the equipment which generates strong magnetic force or high frequency noise.
- Install a power switch or circuit breaker in the easily accessible place for supplying or disconnecting the power.
- This unit may be used in the following environments.
  - Indoors (in the environment condition rated in 'Specifications')
  - Altitude Max. 2,000 m
  - Pollution degree 2
  - Installation category II

### Product Components

- Product
- Instruction manual
- Brackets ×2
- Unit sticker
- Connectors ×5

| Specifications            |  |  |
|---------------------------|--|--|
| Model                     | DPM3-B-AT-A4R-H  | DPM3-B-AT-A4R-L  |
| Power supply              | 100 - 240 VAC ~ 50/60 Hz   | 24 VDC =   |
| Permissible voltage range | 90 to 110 % of rated voltage   |  |
| Power consumption         | ≤ 6 VA   |  |
| Sampling period           | • TC, RTD: 250 ms • Analog: 100 ms   |  |
| Input specification       | Refer to 'Input Type and Using Range'.   |  |
| Digital input             | Contact  | • ON: ≤ 2 kΩ • OFF: ≥ 90 kΩ                                    |
|                           | Non contact  | • Residual voltage: ≤ 1.0 V • Leakage current: ≤ 0.03 mA       |
|                           | Outflow current  | ≈ 0.2 mA   |
| Option output             | Alarm  | 4 point relay: 250 VAC ~ 1 A 1a                                |
|                           | PV trans.  | ISOLATED DC 4-20 mA (Load resistance: ≤ 600 Ω)                 |
| Display type              | 7 Segment (red), Bar graph (green)   |  |
| Alarm output Hysteresis   | 1 to 999 digit   |  |
| Relay life cycle          | Mechanical   | 4 point: ≥ 20,000,000 operations                               |
|                           | Electrical   | 4 point: ≥ 500,000 operations (load resistance: 250 VAC ~ 1 A) |
| Dielectric strength       | Between the charging part and the case: 2,000 VAC ~ 50/60 Hz for 1 min             |  |
| Vibration                 | 0.75 mm amplitude at frequency of 5 to 55 Hz in each X, Y, Z direction for 2 hours |  |
| Insulation resistance     | ≥ 100 MΩ (500 VDC = megger)  |  |
| Noise immunity            | ± 2 kV square shaped noise (pulse width 1 μs) by noise simulator                   |  |
| Memory retention          | ≈ 10 years (non-volatile semiconductor memory type)                                |  |
| Ambient temperature       | -10 to 50 °C, storage: -20 to 60 °C (no freezing or condensation)                  |  |
| Ambient humidity          | 35 to 85%RH, storage: 35 to 85%RH (no freezing or condensation)                    |  |
| Certification             | CE   |  |
| Unit weight (packaged)    | ≈ 182 g (≈ 304 g)  |  |

## Input Type and Using Range

| Input type         | Display      | Using range (°C)  | Using range (°F)  |
|--------------------|--------------|-------------------|-------------------|
| TC (thermo couple) | K (CA)       | [-200 to 1350]    | [-328 to 2,462]   |
|                    | K (CA)       | [-199.9 to 999.9] | [-328 to 1,832]   |
|                    | J (IC)       | [-199.9 to 800.0] | [-328 to 1,472]   |
|                    | E (CR)       | [-199.9 to 800.0] | [-328 to 1,472]   |
|                    | T (CC)       | [-199.9 to 400.0] | [-199.9 to 752.0] |
|                    | R (PR)       | [0 to 1,750]      | [32 to 3,182]     |
|                    | B (PR)*      | [0 to 1,800]      | [212 to 3,272]    |
|                    | S (PR)*      | [0 to 1,750]      | [32 to 3,182]     |
|                    | N (NN)*      | [-200 to 1,300]   | [-328 to 2,372]   |
|                    | C (W5)*      | [0 to 2,300]      | [32 to 4,172]     |
|                    | L (IC)*      | [-199.9 to 900.0] | [-328 to 1,652]   |
|                    | U (CC)*      | [-199.9 to 400.0] | [-199.9 to 752.0] |
|                    | Platinel II* | [0 to 1,390]      | [32 to 2,534]     |
|                    | RTD          | Cu50Ω*            | [-199.9 to 200.0] |
| Cu100Ω*            |              | [-199.9 to 200.0] | [-199.9 to 392.0] |
| JPt100Ω            |              | [-199.9 to 600.0] | [-328 to 1,112]   |
| DPT50Ω             |              | [-199.9 to 600.0] | [-328 to 1,112]   |
| DPT100Ω            |              | [-199.9 to 850.0] | [-328 to 1,530]   |
| Analog             | Current      | 0.00 - 20.00 mA   | [0.00 to 20.00]   |
|                    |              | 4.00 - 20.00 mA   | [0.00 to 20.00]   |
|                    | Voltage      | -50.0 - 50.0 mV   | [-50.0 to 50.0]   |
|                    |              | -199.9 - 200.0 mV | [-199.9 to 200.0] |
|                    |              | -1.000 - 1.000 V  | [-1.000 to 1.000] |
|                    |              | -1.00 - 10.00 V   | [-1.00 to 10.00]  |

-1,999 to 9,999  
(Display range is variable according to decimal point position.)

\* Above input types which have the \* mark are displayed only in Input specification expansion. Refer to 'Mode Setting' to check how to enter the mode.

### Display accuracy

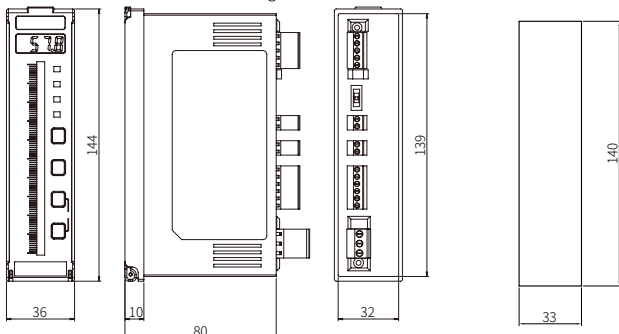
| Input type | Using temperature                  | Display accuracy   |
|------------|------------------------------------|--|
| TC RTD     | At room temperature (25 °C ± 5 °C) | PV ± 0.2% F.S. ± 1 digit<br>• TC below -100 °C: (PV ± 0.4% F.S.) ± 1 digit |
| Analog     | Out of room temperature range      | PV ± 0.3% F.S. ± 1 digit   |

\* In case of TC-T, TC-U, ± 2.0 °C will be added to the degree standard.

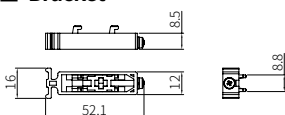
## Dimensions

• Unit: mm, For the detailed drawings, follow the website.

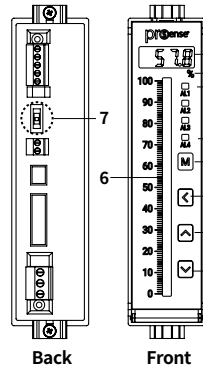
### Panel cut-out



### Bracket



## Unit Descriptions



### 1. Display part (red)

Run mode: Displays PV (Present value).  
Setting mode: Displays parameter and setting value.

### 2. Unit sticker part

### 3. Alarm output indicator

Turns ON when the alarm output is ON.

### 4. [M] key

Used to enter parameter set mode, move to parameters, save SV and return to RUN mode.

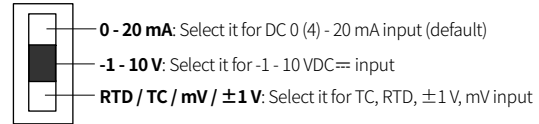
### 5. [◀], [▲], [▼] key

Used to enter and change parameter setting value.

### 6. Bar graph (green)

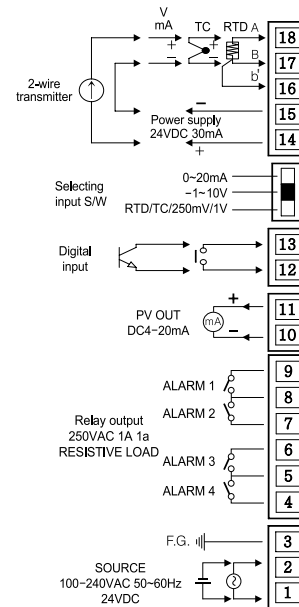
Refer to 'Bar Graph'.

### 7. Selection switch for input specification



• The setting of input type selection switch and the setting value of input type parameter must be the same to display the proper measurement value.

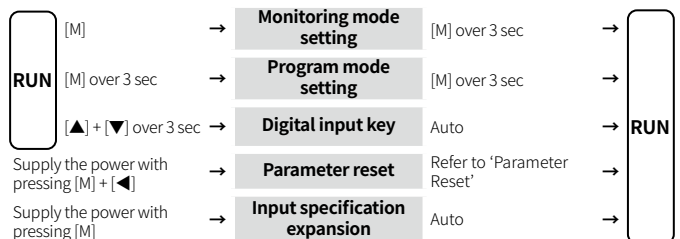
## Connections



## Errors

| Display | Description   | Troubleshooting  |
|---------|---|--|
| b U r n | Flashes when input sensor is disconnected or sensor is not connected. | Check input sensor status.   |
| H H H H | Flashes when PV is higher than input range.                           | When input is within the rated input range, this display disappears. |
| L L L L | Flashes when PV is lower than input range.                            | When input is within the rated input range, this display disappears. |
| E r r   | Flashes when there is an error of setting value                       | Check the setting condition and reset.                               |

## Mode Setting



## Parameter Reset

- Supply power while pressing [M] + [◀] keys, CLR turns ON.
- Press [M] key for parameter reset mode.
- Change the setting value to YES by pressing the [▲], [▼] keys.
- Press the [M] key to reset all parameter values as default and to return to run mode.

## Parameter Setting

- Some parameters are activated/deactivated depending on the setting of parameters. Refer to the descriptions of each item.
- [M] key: Move to next item after saving, [◀] key: Select parameter / Move digits, [▲], [▼] key: Select parameter / Change setting value
- Return to the RUN mode without saving when there is no key input for more than 30 seconds.

## Monitoring Mode

| Parameter     | Display | Default | Setting range   | Condition   |
|---------------|---------|---------|---|---|
| 1-1 AL1 temp. | AL 1    | 099.9   | Sensor input: within using range<br>Analog Input: L-SC ≤ AL□ ≤ H-SC   | 2-15/17/19/21<br>AL-1/2/3/4<br>operation:<br>AT1, AT2 |
| 1-2 AL2 temp. | AL 2    | 099.9   |   |   |
| 1-3 AL3 temp. | AL 3    | 000.1   |   |   |
| 1-4 AL4 temp. | AL 4    | 000.1   |   |   |
| 1-5 High peak | HPEL    | ----    | Check only (not available to set)<br>Displays high/low peak (Max./Min. input) value<br>• Initial high/low peak is saved after 2 sec from supplying the power. |   |
| 1-6 Low peak  | LPEL    | ----    | • Value reset: [▲] + [▼] key over 3 sec in 1-5/6 High/Low peak parameter  |   |

## Program mode

| Parameter   | Display        | Default   | Setting range  | Condition                                    |             |                     |    |              |           |    |               |               |     |                |               |                         |
|---|----------------|---|--|--|-------------|---------------------|----|--------------|-----------|----|---------------|---------------|-----|----------------|---------------|-------------------------|
| 2-1 Input spec.                                       | IN-P           | RTD   | Refer to 'Input Type and Using Range'.   | -  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-2 Temp. unit  | UNIT           | °C  | °C, °F   | 2-1 Input spec.: TC, RTD                     |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-3 Low limit input                                   | L-RG           | 0000  | Using range low limit ≤ L-RG ≤ using range high limit - 10% of F.S.  | 2-1 Input spec.: Analog                      |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-4 High limit input                                  | H-RG           | 2000  | L-RG + 10% of F.S. ≤ H-RG ≤ using range high limit   |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-5 Decimal point                                     | dP             | 00  | 0.0, 0.00, 0.000, 0  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-6 Low limit scale                                   | L-SC           | 0000  | -1,999 ≤ L-SC < H-SC ≤ 9,999<br>• When setting '2-24 Input special function: TUF' L-SC: -760.0, H-SC: 0 to 9,999   |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-7 High limit scale                                  | H-SC           | 1000  | -999 to 999,<br>L-SC < IN-B < H-SC   | 2-1 Input spec.: TC, RTD                     |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-8 Input correction <sup>(1)</sup>                   | IN-B           | 0000  | -999 to 999,<br>L-SC ≤ L-RG ≤ IN-B ≤ H-RG ≤ H-SC   | 2-1 Input spec.: Analog                      |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-9 Bar graph display low limit scale                 | L-b5           | 0000  | • Input: TC, RTD<br>Input range low limit ≤ L-BS ≤ (H-BS-1) (L-BS+1) ≤ H-BS ≤ Input range high limit   |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-10 Bar graph display high limit scale               | H-b5           | 1000  | • Input: Analog<br>L-SC ≤ L-BS ≤ (H-SC-1) (L-SC+1) ≤ H-BS ≤ H-SC   |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-11 Bar graph display method                         | BAR            | F.BAR   | F.BAR: Full bar, C.BAR: Center bar   | -  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-12 4 mA trans. output scale                         | L-OUT          | 0000  | • Input: TC, RTD: Within input range<br>• Input: Analog<br>L-SC ≤ L-OUT ≤ 10% of F.S. ≤ H-OUT ≤ H-SC   |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-13 20 mA trans. output scale                        | H-OUT          | 1000  |  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-14 Input and trans. output extension <sup>(2)</sup> | EXT            | 5P  | <table border="1"> <thead> <tr> <th>SV</th> <th>Input range</th> <th>Trans. output range</th> </tr> </thead> <tbody> <tr> <td>0P</td> <td>No extension</td> <td>4 - 20 mA</td> </tr> <tr> <td>5P</td> <td>±5% extension</td> <td>3.2 - 20.8 mA</td> </tr> <tr> <td>10P</td> <td>±10% extension</td> <td>2.4 - 21.6 mA</td> </tr> </tbody> </table> | SV   | Input range | Trans. output range | 0P | No extension | 4 - 20 mA | 5P | ±5% extension | 3.2 - 20.8 mA | 10P | ±10% extension | 2.4 - 21.6 mA | 2-1 Input spec.: Analog |
| SV  | Input range    | Trans. output range   |  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 0P  | No extension   | 4 - 20 mA   |  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 5P  | ±5% extension  | 3.2 - 20.8 mA   |  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 10P   | ±10% extension | 2.4 - 21.6 mA   |  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-15 AL1 operation                                    | AL-1           | AL-1A   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>AT0: Off<br>AT1: Absolute high limit alarm<br>AT2: Absolute low limit alarm<br>SBA: Sensor break alarm  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-16 AL1 option                                       | AL-1           | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | A: Standard alarm B: Alarm latch<br>C: Standby D: Alarm latch and sequence<br>• Enter to option setting: Press [◀] key in 2-15 AL-1 operation.   |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-17 AL2 operation                                    | AL-2           | AL-1A   | Same as 2-15/16 AL1 operation/option   |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-18 AL2 option                                       | AL-2           | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-19 AL3 operation                                    | AL-3           | AL-2A   |  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-20 AL3 option                                       | AL-3           | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-21 AL4 operation                                    | AL-4           | AL-2A   |  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-22 AL4 option                                       | AL-4           | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-23 Alarm output hysteresis                          | A-HY           | 001   | 001 to 999   | 2-15/17/19/21 AL-1/2/3/4 operation: AT1, AT2 |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-24 Input special function                           | INSF           | LIN   | LIN: Linear, ROOT: Root, SQAR: Square, TUF: Two unit function  | 2-1 Input spec.: Analog                      |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-25 Input digital filter                             | FRUF           | 04  | 01 (OFF) to 16<br>• It does not affect the display cycle.  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-26 Digital input terminal <sup>(3)</sup>            | DI-E           | HOLD  | HOLD <sup>(4)</sup> : Hold, ZERO: Zero-point adjustment, AL.RE: Alarm reset  | * 2-16/18/20/22 AL1/2/3/4 Alarm option: B, D |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-27 Digital input key <sup>(3)</sup>                 | DI-K           | HOLD  |  |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-28 Sensor break alarm output                        | BRON           | OFF   | OFF: 4 mA, ON: 20 mA   |  |             |                     |    |              |           |    |               |               |     |                |               |                         |
| 2-29 Lock   | LOC            | OFF   | OFF<br>LOC1: Program mode lock (check only), Monitoring mode unlock<br>LOC2: Checking and setting program mode lock, Monitoring mode setting lock (check only)   |  |             |                     |    |              |           |    |               |               |     |                |               |                         |

(1) When '2-24 input special function' parameter is set to 'TUF', the function corrects the atmospheric pressure input value.

(2) Extension is not allowed below 0 mA and 0 V. ±1 V and 10 V inputs cannot be set to 10P.

(3) When changing functions, change after releasing the signal being input to the terminal.

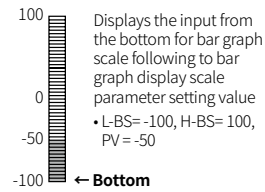
(4) The hold function is maintained even when a temperature error occurs.

## Function: Bar Graph

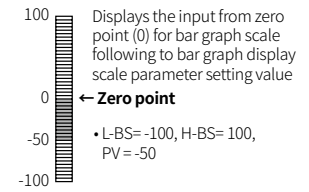
### Display method setting

It is possible to set in bar graph display method parameter.

#### Full bar



#### Center bar



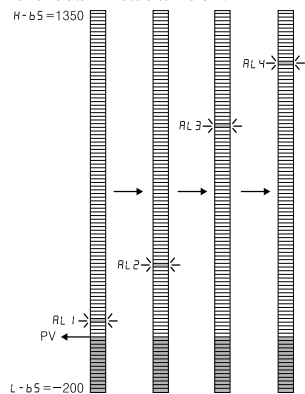
### Alarm display in bar graph

When setting or occurring the alarm, it displays the status by the bar graph. It is possible to check the alarm status. When setting alarm value, the bar LED for this alarm value turns ON. When alarm occurs, the bar LED for this alarm value flashes.

- If alarm set value is out of bar graph scale when setting the value or in RUN mode, this value does not display in bar graph.

#### Monitoring mode: setting alarm value

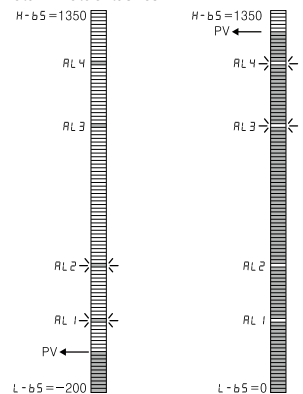
The bar LED for alarm setting value flashes. When alarm set is complete, the bar LED for this alarm value turns ON.



- The bar LED for the alarm value flashes.

#### Run mode: alarm display

All set alarm values are displayed, and when it is alarm value, the bar LED for this alarm value flashes.

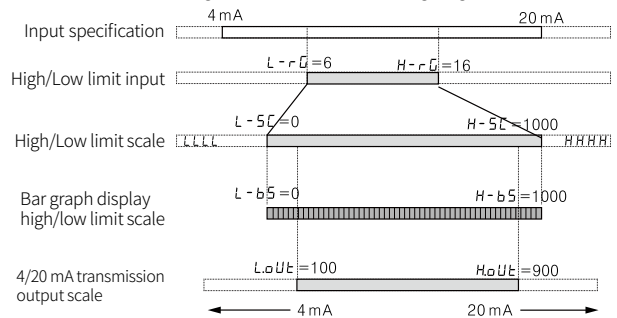


- AL1/2: Low limit alarm
- AL3/4: High limit alarm

### Scale value relation

Below is relation example of input specification, high/low limit input, high/low limit scale, bar graph display high/low limit scale, 4/20 mA transmission output scale when using 4 to 20 mA input specification.

Refer to 'Parameter Setting' for the details about setting range and condition.



## Function: Input Special Function

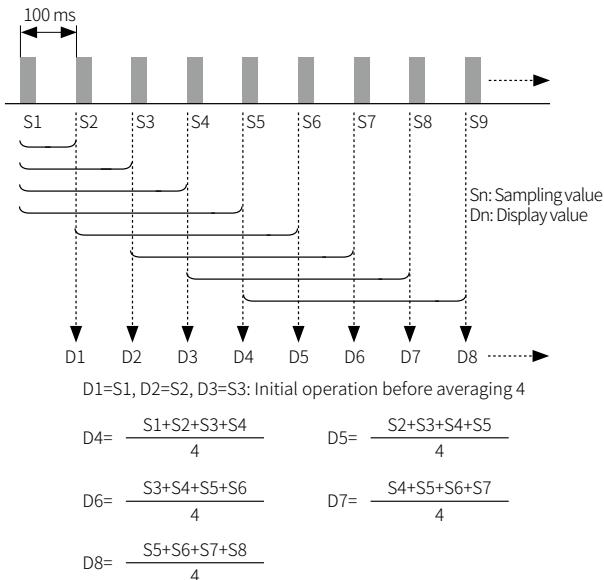
When selecting analog input, this function is to display the calculated actual value by square, root ( $\sqrt{\quad}$ ), or two unit function (TUF) as display value.

| Name     | Function  | Graph   | Applications  |
|----------|---|---|---|
| Linear   | Outputs as input value  | $Y = AX + B$  | Standard characteristics. Input for linearity.  |
| Root     | Outputs the rooted ( $\sqrt{\quad}$ ) input value                   | $Y = A\sqrt{X} + B$<br>$(X \geq 0)$<br>$Y = 0 (X < 0)$  | Used for measuring flows by pressure signal.  |
|          |   | $\text{Output} = \left( \sqrt{\frac{\text{Input} - L\text{-RG}}{H\text{-RG} - L\text{-RG}}} \right) \times (H\text{-SC} - L\text{-SC}) + L\text{-SC}$ |   |
| Square   | Outputs the squared input value                                     | $Y = A(X)^2 + B$<br>$(X > 0)$<br>$Y = -A(X)^2 + B$<br>$(X < 0)$   | Used for outputting differential pressure by flow signal.   |
|          |   | $\text{Output} = \left( \frac{\text{Input} - L\text{-RG}}{H\text{-RG} - L\text{-RG}} \right)^2 \times (H\text{-SC} - L\text{-SC}) + L\text{-SC}$      |   |
| Two unit | Display the pressure of under atmospheric pressure (0) as mmHg unit |   | <ul style="list-style-type: none"> <li>Compound pressure input &lt; atmospheric pressure: Displayed in mmHg</li> <li>Compound pressure input ≥ atmospheric pressure: Displayed in kg/cm<sup>2</sup></li> </ul> <p>Atmospheric pressure is based on 0 kg/cm<sup>2</sup>. Atmospheric pressure value can be calibrated by using the 'Digital input: zero-point adjustment' function and additionally adjusted by using the 'Input correction' function.</p> |

## Function: Input Digital Filter

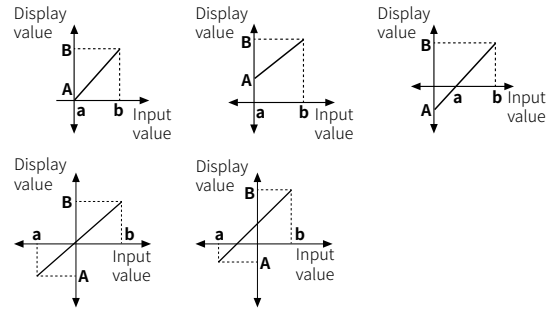
Moving average digital filter is able to stably display and output the noise from input line and irregular signals as software.

- Display cycle is same when executing moving average digital filter.



## Function: High / Low-limit scale value

This function is to display setting of particular high / low-limit value in order to display high / low-limit value of measured input. If measured inputs are a and b and particular values are A and B, it will display a = A, b = B as below graphs.



## Function: Alarm

**888.8**  
Alarm operation option

Set both alarm operation and alarm option by combining. Each alarm operates individually. When the current temperature is out of alarm range, alarm clears automatically.

### Operation

• H: Alarm output hysteresis

| Mode  | Name                      | Alarm operation | Description   |
|-------|---------------------------|-----------------|---|
| R E 0 | -                         | -               | No alarm output   |
| R E 1 | Absolute value high limit |                 | If PV is higher than the absolute value, the output will be ON. |
|       |                           |                 |   |
| R E 2 | Absolute value low limit  |                 | If PV is lower than the absolute value, the output will be ON.  |
|       |                           |                 |   |
| 5 b R | Sensor break              | -               | It will be ON when it detects sensor disconnection.             |

### Option

| Mode | Name                             | Description   | Condition of reply |
|------|----------------------------------|---|--------------------|
| R    | Standard alarm                   | If it is an alarm condition, alarm output is ON. If it is a clear alarm condition, alarm output is OFF.   | -                  |
| b    | Alarm latch                      | If it is an alarm condition, alarm output is ON and maintains ON status.  | -                  |
| C    | Standby sequence                 | When power is supplied and it is an alarm condition, this first alarm condition is ignored and from the second alarm condition, standard alarm operates.  | Power ON           |
| d    | Alarm latch and standby sequence | If it is an alarm condition, it operates both alarm latch and standby sequence. When power is supplied and it is an alarm condition, this first alarm condition is ignored and from the second alarm condition, alarm latch operates. |                    |

## Segment Table

The segments displayed on the product indicate the following meanings. It may differ depending on the product.

| 7 Segment | 11 Segment | 12 Segment | 16 Segment |
|-----------|------------|------------|------------|
| 0         | 0          | 0          | 0          |
| 1         | 1          | 1          | 1          |
| 2         | 2          | 2          | 2          |
| 3         | 3          | 3          | 3          |
| 4         | 4          | 4          | 4          |
| 5         | 5          | 5          | 5          |
| 6         | 6          | 6          | 6          |
| 7         | 7          | 7          | 7          |
| 8         | 8          | 8          | 8          |
| 9         | 9          | 9          | 9          |
| A         | A          | A          | A          |
| b         | b          | b          | b          |
| C         | C          | C          | C          |
| d         | d          | d          | d          |
| E         | E          | E          | E          |
| F         | F          | F          | F          |
| G         | G          | G          | G          |
| H         | H          | H          | H          |