

ORDERING INFORMATION

MODEL : M2EXT

PLEASE FILL IN THIS SECTION



| |
|---------|
| Model |
| Company |
| Name |
| P/O No. |

FACTORY USE ONLY



| | |
|---------|-------------------------------|
| Job No. | Approved by (Sales office) |
| Ser No. | Issued by (Sales office) |
| Sales | Approved by (Factory) |
| | Set by (Factory) |
| | Ser No. |

Specify the items you want to change.

Default setting will be used if not specified.

■ INPUT SETTING

| ITEM | SET VALUE | DEFAULT VALUE | COMMENTS | Factory Internal check |
|------------------------|--|---------------------|---|--------------------------|
| Input range | <input type="checkbox"/> (PR) <input type="checkbox"/> K (CA) <input type="checkbox"/> E (CRC) <input type="checkbox"/> J (IC) <input type="checkbox"/> T (CC) <input type="checkbox"/> B (RH) <input type="checkbox"/> R <input type="checkbox"/> S <input type="checkbox"/> C (WRe 5-26) <input type="checkbox"/> N <input type="checkbox"/> U <input type="checkbox"/> L <input type="checkbox"/> P (Platinel II) | K (CA) | Choose among 13 types | <input type="checkbox"/> |
| Temperature unit | <input type="checkbox"/> Celsius <input type="checkbox"/> Fahrenheit <input type="checkbox"/> Absolute | Celsius | Choose among 3 types | <input type="checkbox"/> |
| 0 % input setting | | 0.0 | Specify within settable range in the table 1. | <input type="checkbox"/> |
| 100 % input setting | | 1000.0 | | |
| Input decimal point | <input type="checkbox"/> No decimal point <input type="checkbox"/> 1 place of decimals <input type="checkbox"/> 2 places of decimals | 1 place of decimals | Choose among 3 types Set the decimal point position for 0 % input setting and 100 % input setting. | <input type="checkbox"/> |
| Burnout | <input type="checkbox"/> None <input type="checkbox"/> Down <input type="checkbox"/> Up | UP | Choose among 3 types | <input type="checkbox"/> |
| CJM / Fixed temp. | <input type="checkbox"/> CJM <input type="checkbox"/> Fixed terminal temperature () | CJM | Choose among 2 types When Fixed temp. is used, specify desired value (-50.00 to +100.00°C) | <input type="checkbox"/> |
| Filter time constant*1 | | 0 sec. | Specify the range between 0 and 30 sec. | <input type="checkbox"/> |

■ OUTPUT SETTING

| ITEM | SET VALUE | DEFAULT VALUE | COMMENTS | Factory Internal check |
|----------------------|--|-----------------------------------|---|--------------------------|
| Output range | <input type="checkbox"/> 0 to 20 mA DC <input type="checkbox"/> -5 to +5 V DC <input type="checkbox"/> -10 to +10 V DC | 0 to 20 mA DC | Choose among 3 types | <input type="checkbox"/> |
| 0 % output setting | | 4.000 mA -5.000 V -10.000 V | Specify within settable range in the table 2. | <input type="checkbox"/> |
| 100 % output setting | | 20.000 mA 5.000 V 10.000 V | | |

■ DISPLAY SETTING

| ITEM | SET VALUE | DEFAULT VALUE | COMMENTS | Factory Internal check |
|----------------------|---|--------------------------------|---|--------------------------|
| 0 % output scaling | | 0.00 | Specify the range between -99999 and 999999. | <input type="checkbox"/> |
| 100 % output scaling | | 100.00 | Specify the range between -99999 and 999999. | <input type="checkbox"/> |
| Output decimal point | <input type="checkbox"/> No decimal point <input type="checkbox"/> 1 place of decimals <input type="checkbox"/> 2 places of decimals <input type="checkbox"/> 3 places of decimals <input type="checkbox"/> 4 places of decimals <input type="checkbox"/> 5 places of decimals | 2 places of decimals | Choose among 6 types Set the arbitrary decimal point position for 0 % output scaling and 100 % output scaling. | <input type="checkbox"/> |
| Unit (OUT Scaling) | | % | Choose from the table 3, or specify from table 4 'Settable characters' within 13 characters. | <input type="checkbox"/> |
| Display setting | Upper: Lower: | Upper: INPUT Lower: PERCENT | Choose from the setting value in the table 5. | <input type="checkbox"/> |
| Brightness | | 4 | Specify among 1 (darkest) to 4 (brightest). | <input type="checkbox"/> |
| Display timeout | | 10 min. | Specify the range from 0, 1 to 60 min. Set '0 min.' to display 'always on'. | <input type="checkbox"/> |

*1. Filter time constant

Set filter time constant of the first order lag filter. The first order lag filter is available with setting time. When '0' is set to this parameter, the first order lag filter is not available (Response time: ≤ 0.5 sec. (0 \rightarrow 90 %)). The first order lag filter is equivalent to general CR filter. The setting time constant is the time to follow until about 63 %, when input varies from 0 % to 100 %.

Table 1

| INPUT RANGE | MIN. SPAN | | SETTABLE RANGE | | |
|-----------------|-----------|-------|---------------------|---------------------|-------------------|
| | °C, K | °F | °C | °F | K |
| (PR) | 20.00 | 36.00 | 0.00 to 1760.00 | 32.00 to 3200.00 | 273.15 to 2033.15 |
| K (CA) | | | -270.00 to +1370.00 | -454.00 to +2498.00 | 3.15 to 1643.15 |
| E (CRC) | | | -270.00 to +1000.00 | -454.00 to +1832.00 | 3.15 to 1273.15 |
| J (IC) | | | -210.00 to +1200.00 | -346.00 to +2192.00 | 63.15 to 1473.15 |
| T (CC) | | | -270.00 to +400.00 | -454.00 to +752.00 | 3.15 to 673.15 |
| B (RH) | | | 0.00 to 1820.00 | -32.00 to +3308.00 | 273.15 to 2093.15 |
| R | | | -50.00 to +1760.00 | -58.00 to +3200.00 | 223.15 to 2033.15 |
| S | | | -50.00 to +1760.00 | -58.00 to +3200.00 | 223.15 to 2033.15 |
| C (WRe 5-26) | | | 0.00 to 2315.00 | 32.00 to 4199.00 | 273.15 to 2588.15 |
| N | | | -270.00 to +1300.00 | -454.00 to +2372.00 | 3.15 to 1573.15 |
| U | | | -200.00 to +600.00 | -328.00 to +1112.00 | 73.15 to 873.15 |
| L | | | -200.00 to +900.00 | -328.00 to +1652.00 | 73.15 to 1173.15 |
| P (Platinel II) | | | 0.00 to 1395.00 | 32.00 to 2543.00 | 273.15 to 1668.15 |

Note. For set value, specify so that value is within the settable range depending on type of the T/C.

Table 2

| OUTPUT RANGE | | MIN. SPAN | SETTABLE RANGE |
|----------------|-----------------|-----------|----------------------|
| Current output | 0 to 20 mA DC | 1.000 mA | 0.000 to 20.000 mA |
| Voltage output | -5 to +5 mV DC | 0.250 V | -5.000 to +5.000 V |
| | -10 to +10 V DC | 1.000 V | -10.000 to +10.000 V |

Table 3

AVAILABLE UNITS

DC, AC, mV, V, kV, μA, mA, A, kA, mW, W, kW, var, kvar, Mvar, VA, Hz, Ω, kΩ, MΩ,
 cm, mm, m, m/sec, mm/min, cm/min, m/min, m/h, m/s², inch, L,
 L/s, L/min, L/h, m³, m³/sec, m³/min,
 m³/h, Nm³/h, N·m, N/m², g, kg, kg/h, N, kN, Pa, kPa, Mpa, t, t/h,
 °C, °F, K, %RH, J, kJ, MJ, rpm, sec, min, min⁻¹, pH, %, ppm, deg, (blank),

Table 4

SETTABLE CHARACTERS

0 - 9 A - Z a - z ! " # \$ % & ' () = - + * ^ |
 @ ` [] { } ; : < > ? _ . , /

Table 5**Upper**

| SETTING VALUE | DESCRIPTION |
|----------------------|---------------------------------|
| INPUT | Input engineering unit value |
| VOLTAGE | Input electromotive force value |
| PERCENT | Percent value*2 |
| OUTPUT | Output engineering unit value |
| OUTPUT (Scaling) | Output scaling |

Lower

| SETTING VALUE | DESCRIPTION |
|----------------------|---------------------------------|
| INPUT | Input engineering unit value |
| VOLTAGE | Input electromotive force value |
| PERCENT | Percent value*2 |
| OUTPUT | Output engineering unit value |
| OUTPUT (Scaling) | Output scaling |
| None | No display |

*2. Input percent value.