

ORDERING INFORMATION

MODEL : M2EXR

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"/> JPt100 (JIS'89) <input type="checkbox"/> Pt100 (JIS'89) <input type="checkbox"/> Pt100 (JIS'97, IEC) <input type="checkbox"/> Pt50Ω (JIS'81) <input type="checkbox"/> Ni508.4Ω <input type="checkbox"/> Pt1000 <input type="checkbox"/> Ni100 <input type="checkbox"/> Cu10 @ 25°C	Pt100 (JIS'97, IEC)	Choose among 8 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		100.0		
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"/>
Sensor wires	<input type="checkbox"/> 2 wires <input type="checkbox"/> 3 wires	3 wires	Choose among 2 types	<input type="checkbox"/>
Burnout	<input type="checkbox"/> None <input type="checkbox"/> Down <input type="checkbox"/> Up	UP	Choose among 3 types	<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 → 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
JPt100 (JIS'89)	20.00	36.00	-200.00 to +500.00	-328.00 to +932.00	73.15 to 773.15
Pt100 (JIS'89)			-200.00 to +650.00	-328.00 to +1202.00	73.15 to 923.15
Pt100 (JIS'97, IEC)			-200.00 to +850.00	-328.00 to +1562.00	73.15 to 1123.15
Pt50Ω (JIS'81)			-200.00 to +649.00	-328.00 to +1200.20	73.15 to 922.15
Ni508.4Ω			-50.00 to +200.00	-58.00 to +392.00	223.15 to 473.15
Pt1000			-200.00 to +850.00	-328.00 to +1562.00	73.15 to 1123.15
Ni100			-50.00 to +200.00	-58.00 to +392.00	223.15 to 473.15
Cu10 @ 25°C			-50.00 to +250.00	-58.00 to +482.00	223.15 to 523.15

Note: For set value, specify so that value is within the settable range depending on type of the RTD.

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
RESISTANCE	Input resistance
PERCENT	Percent value*2
OUTPUT	Output engineering unit value
OUTPUT (Scaling)	Output scaling

Lower

SETTING VALUE	DESCRIPTION
INPUT	Input engineering unit value
RESISTANCE	Input resistance
PERCENT	Percent value *2
OUTPUT	Output engineering unit value
OUTPUT (Scaling)	Output scaling
None	No display

*2. Input percent value.