

ORDERING INFORMATION

MODEL : M1EXR-2

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.

■ CH1 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"/> Pt50 Ω (JIS'81) <input type="checkbox"/> Ni508.4 Ω <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"/>
Wire resistance		0.000 Ω	Specify the range between 0.000 and 50.000 Ω. For 3 wires, it does not need to specify.	<input type="checkbox"/>
Filter time constant *1		0 sec.	Specify the range between 0 and 30 sec	<input type="checkbox"/>

■ CH1 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		

■ CH2 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"/> Pt50 Ω (JIS'81) <input type="checkbox"/> Ni508.4 Ω <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"/>
Wire resistance		0.000 Ω	Specify the range between 0.000 and 50.000 Ω. For 3 wires, it does not need to specify.	<input type="checkbox"/>
Filter time constant *1		0 sec.	Specify the range between 0 and 30 sec	<input type="checkbox"/>

■ CH2 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		

*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 %.

■ OTHER SETTING

ITEM	SET VALUE	DEFAULT VALUE	COMMENTS	Factory Internal check
Display setting	Upper: Lower:	Upper: Ch1 INPUT Lower: Ch2 INPUT	Choose from the setting value in the table 3.	<input type="checkbox"/>
Chanel enable	CH1 <input type="checkbox"/> Enable <input type="checkbox"/> Disable	CH1: Enable	Specify enable or disable. It is not available to disable CH1 and CH2 simultaneously.	<input type="checkbox"/>
	CH2 <input type="checkbox"/> Enable <input type="checkbox"/> Disable	CH2: Enable		
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' to display 'always on'.	<input type="checkbox"/>

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**Upper**

SETTING VALUE	DESCRIPTION
Ch1 INPUT	Ch1 input engineering unit value
Ch1 RESISTANCE	Ch1 input resistance
Ch1 PERCENT	Ch1 percent value*2
Ch1 OUTPUT	Ch1 output engineering unit value
Ch2 INPUT	Ch2 input engineering unit value
Ch2 RESISTANCE	Ch2 input resistance
Ch2 PERCENT	Ch2 percent value*2
Ch2 OUTPUT	Ch2 output engineering unit value

Lower

SETTING VALUE	DESCRIPTION
Ch1 INPUT	Ch1 input engineering unit value
Ch1 RESISTANCE	Ch1 input resistance
Ch1 PERCENT	Ch1 percent value *2
Ch1 OUTPUT	Ch1 output engineering unit value
Ch2 INPUT	Ch2 input engineering unit value
Ch2 RESISTANCE	Ch2 input resistance
Ch2 PERCENT	Ch2 percent value *2
Ch2 OUTPUT	Ch2 output engineering unit value
None	No display

*2. Display the value which is converted as 0.00 - 100.00 % based on input setting.