ORDERING INFORMATION MODEL : M2EXM

PLEASE FILL IN THIS SECTION	FACTORY USE ONLY	
Model	Job No.	Approved by (Sales office)
Company	Ser No.	Issued by (Sales office)
Name	Sales	Approved by (Factory)
P/O No.		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
Filter time constant*1		0 sec.	Specify the range between 0 and 30 sec.	☐

■ OUTPUT SETTING

ITEM	SET VALUE	DEFAULT VALUE	COMMENTS	Factory Internal check
Output range	☐ 0 to 20 mA DC ☐ -5 to +5 V DC ☐ -10 to +10 V DC	0 to 20 mA DC	Choose among 3 types	☐
0 % output setting		4.000 mA -5.000 V -10.000 V	Specify within settable range in the table 1.	☐
100 % output setting		20.000 mA 5.000 V 10.000 V		

■ DISPLAY SETTING

ITEM	SET VALUE	DEFAULT VALUE	COMMENTS	Factory Internal check
0 % input scaling		0.00	Specify within the range between –99999 and 999999. Decimal point position can be set arbitrarily.	☐
100 % input scaling		100.00	Specify within the range between –99999 and 999999. Decimal point position is same as 0 % input scaling.	☐
Unit (INP Scaling)		%	Choose from the table 2, or specify from the table 3 'Settable characters' within 13 characters.	☐
0 % output scaling		0.00	Specify the range between –99999 and 999999. Decimal point position can be set arbitrarily.	☐
100 % output scaling		100.00	Specify the range between –99999 and 999999. Decimal point position is same as 0 % output scaling.	☐
Unit (OUT Scaling)		%	Choose from the table 2, or specify from table 3 'Settable characters' within 13 characters.	☐
Display setting	Upper: Lower:	Upper: INPUT Lower: PERCENT	Choose from the setting value in the table 4.	☐
Brightness		4	Specify among 1 (darkest) to 4 (brightest).	☐
Display timeout		10 min.	Specify the range from 0, 1 to 60 min. Set '0' to display 'always on'.	☐

■ USER'S TABLE LINEARIZATION

ITEM	SET VALUE	DEFAULT VALUE	COMMENTS	Factory Internal check
User's table linearization	☐ Disable ☐ Enable	Disable	Specify enable or disable. When enable, specify the table in the page 4 to 5.	☐

*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

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 2

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/s^2, inch, L,
L/s, L/min, L/h, m^3, m^3/sec, m^3/min,
m^3/h, Nm^3/h, N·m, N/m^2, 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 3

SETTABLE CHARACTERS
0 − 9 A − Z a − z ! ” # $ % &’ ( ) = - + ∗ ^ |
@ ` [ ] { } ; : < > ? _ , . /

Table 4

Upper

SETTING VALUE	DESCRIPTION
INPUT	Input engineering unit value*2
INPUT (Scaling)	Input scaling
PERCENT	Percent value*3
OUTPUT	Output engineering unit value
OUTPUT (Scaling)	Output scaling

Lower

SETTING VALUE	DESCRIPTION
INPUT	Input engineering unit value*2
INPUT (Scaling)	Input scaling
PERCENT	Percent value*3
OUTPUT	Output engineering unit value
OUTPUT (Scaling)	Output scaling
None	No display

*2. Display the value which is converted by 0 - 10000 as total resistance is 10000.

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

■ LINEARIZATION

Factory Internal check
☐

Specify the input & output values and the units.
X[n] = Input Value of n-th
Y[n] = Output Value of n-th
-5% ≤ X[n] ≤ +105%, -5% ≤ Y[n] ≤ +105%, X[n] < X[n+1]
Place the check mark for one of engineering unit value, % value or scaling value.
The value is converted to %, and the value rounded off is entered to the unit.

n	X ☐ Engineering unit value ☐ % value ☐ Scaling value	Y ☐ Engineering unit value ☐ % value ☐ Scaling value			
001			026		
002			027		
003			208		
004			029		
005			030		
006			031		
007			032		
008			033		
009			034		
010			035		
011			036		
012			037		
013			038		
014			039		
015			040		
016			041		
017			042		
018			043		
019			044		
020			045		
021			046		
022			047		
023			048		
024			049		
025			050		

051			082		
052			083		
053			084		
054			085		
055			086		
056			087		
057			088		
058			089		
059			090		
060			091		
061			092		
062			093		
063			094		
064			095		
065			096		
066			097		
067			098		
068			099		
069			100		
070			101		
071			102		
072			103		
073			104		
074			105		
075			106		
076			107		
077			108		
078			109		
079			110		
080			111		
081					