ORDERING INFORMATION MODEL : M2EXS

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
Angle span		270.00	Specify the range between 60.00 to 359.99.	☐
Rotating direction		CW	Specify CW or CCW.	☐
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.	☐

*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 with 0.00 to 359.99.

*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			017		
002			018		
003			019		
004			020		
005			021		
006			022		
007			023		
008			024		
009			025		
010			026		
011			027		
012			028		
013			029		
014			030		
015			031		
016			032		