

ORDERING INFORMATION

Model : M5XF

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 Rep.	Approved by (Factory)
	Issued 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	☐ 0 to 50 mA DC ☐ -1000 to +1000 mV DC ☐ -10 to +10 V DC	0 to 50 mA DC		☐
0 % input setting		4.0000 mA 0.00 mV 0.0000 V	Specify within settable range in the table 1.	☐
100 % input setting		20.0000 mA 1000.00 mV 10.0000 V		
Filter time constant*1		0.0 sec.	Specify the range between 0.0 and 30.0 sec.	☐

*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 %.

■ CHARACTERISTICS SETTING

ITEM	SET VALUE	DEFAULT VALUE	COMMENTS	FACTORY INTERNAL CHECK
Output filter (Linearizer, refer to table 3)	☐ Linear ☐ User's table linearization ☐ X ² (Palmer-Bowlus flume) ☐ X ^{5/2} (Triangular weir) ☐ X ^{3/2} (Rectangular weir)	Linear	(Use the LINEARIZATION table for user's table linearization.)	☐

■ 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		☐
0 % output setting		4.0000 mA	Specify within settable range in the table 2.	☐
100 % output setting		20.0000 mA		☐
0 % output limit		3.8 mA		☐
100 % output limit		20.5 mA		☐

[Table 1]

INPUT RANGE	MIN. SPAN	SETTABLE RANGE
Current input	2 mA	0.0000 to 50.0000 mA DC
Voltage input	100 mV	-1000.00 to +1000.00 mV DC
	1 V	-10.0000 to +10.0000 V DC

[Table 2]

Output Range	Minimum Span	Setting Range
Current output	1 mA	0.0000 to 23.0000 mA DC
Voltage output	500 mV	-5.7500 to +5.7500 V DC
	1 V	11.5000 to +11.5000 V DC

[Table 3] Choose among following

Linearizer	The input is converted into output. (output)=(input)	X^2 Output	$X_0 = X_1^2 / 100$ where X_1 : Input where X_0 : Output
User's table linearization	The input is converted into a linearized output according to the user specified segment data table, defined with pairs of X (input) and Y (output) values. (Use the LINEARIZATION table.)	$X^{5/2}$ Output	$X_0 = X_1^{5/2} / 1000$ where X_1 : Input where X_0 : Output
		$X^{3/2}$ Output	$X_0 = X_1^{3/2} / 1000$ where X_1 : Input where X_0 : Output

■ LINEARIZATION

Specify the input & output values and the units.

X[n] = Input Value of n-th (mA, V, %), Y[n] = Output Value of n-th (mA, V, %)

-2% ≤ X[n] ≤ 102%, -2% ≤ Y[n] ≤ 102%, X[n] < X[n+1]

n	X (unit:)	Y (unit:)	n	X	Y	FACTORY INTERNAL CHECK
0			25			☐
1			26			
2			27			
3			28			
4			29			
5			30			
6			31			
7			32			
8			33			
9			34			
10			35			
11			36			
12			37			
13			38			
14			39			
15			40			
16			41			
17			42			
18			43			
19			44			
20			45			
21			46			
22			47			
23			48			
24			49			

n	X	Y	n	X	Y
50			75		
51			76		
52			77		
53			78		
54			79		
55			80		
56			81		
57			82		
58			83		
59			84		
60			85		
61			86		
62			87		
63			88		
64			89		
65			90		
66			91		
67			92		
68			93		
69			94		
70			95		
71			96		
72			97		
73			98		
74			99		
			100		