JUXTA F Series General Specification

Model FX3□-MA (Variable software type) FX4□-MA (Fixed software type) Transfer Average Unit

NTXUL

1. GENERAL

This is a variable or fixed software type computing unit which accepts a mV signal from a converter and outputs the transfer average computed result using the passed average time set by a handy terminal or variable resistor as isolated various voltage or current, signal.

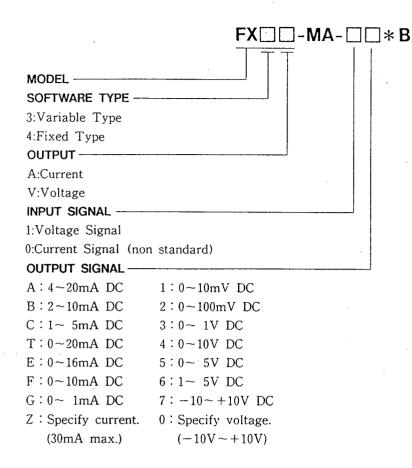
2. SPECIFICATION

Model No.	FX3A-MA, FX3V-MA	FX4A-MA, FX4V-MA		
Input signal	mV signal:1 point	mV signal:1 point volume setting		
Measuring range	-2 to 10mV (Accuracy is limited for spans more than 3 mV and less than 10mV.) -10 to 50mV (Span:More than 10mV) and -50 to 250mV (Span:More than 50mV) *1 -100 to 1250mV (Span:More than 250mV)			
Input resistance	1MΩ (At power failure: More than 100 kΩ)			
Output signal	4 to 20mA, 2 to 10mA, 1 to 5mA, 0 to 20mA, 0 to 16mA, 0 to 10mA or 0 to 1mA DC 0 to 10mV, 0 to 100mV, 0 to 1V, 0 to 10V, 0 to 5V, 1 to 5V or -10 to +10V DC			
Moving average time setting range	0 to 7990 sec. (0.0 to 799.0%) *2	0 to 1000 sec. (0 to 1.000V)		
Time constant setting range	1.0 to 799.0 sec. (1.0 to 799.0%) *3			
Accuracy rating	$\pm 0.2\%$ of measuring span			
Signal insulation	Between the 2 ciruits of input signal, output signal and power supply circuits			
Insulation resistance	Between input signal and output signal/power supply circuits, and between output signal and power supply circuits: $100M\Omega/500V$ DC			
Dielectric strength	Between input signal and output signal/power supply circuits:1500V AC/min. Between output signal and power supply circuits: 500V AC/min.			
Power supply voltage	24V DC ±10%			
Ambient temperature/ humidity	0 to 50°C (32 to 122°F) and 5 to 93% relative humidity (No condensation)			
Effect of ambient temperature	$\pm 0.2\%$ of span for 10°C (50°F) change			
Effect of power supply voltage	$\pm 0.2\%$ of span for 24V DC $\pm 10\%$ regulation			
Power consumption	24V DC, 56mA (Voltage output) and 24V DC, 78mA (current output)			
Dimensions	72(2.83") H×24(0.94") W×127(5.00") D mm(inch)			
Weight	Approx. 130g			
Accessories	Tag number label: 1 sheet Mounting blo	Tag number label: 1 sheet Mounting blocks: 2 pcs.		

Specify the following when ordering:

- *1: Measuring range from □ to □mV Accuracy for range with span of less than 10mV:0.2×10/(Input span mV value)%
- *2: Moving average time; \square sec.
- *3: 1st-order lag time constant; ☐ sec.





Input Measuring Range Allowable Measuring Range Allowable name min. span Range HH250mV $-100 \sim 1250 \text{mV}$ Η 50mV - 50~ 250mV L 10mV 10~ 50 mVLL 3mV 2~ 10 mVHowever, accuracy of less than 10mV span is 10 mV $0.2\% \times \frac{10 \,\mathrm{mV}}{\mathrm{input span}(\mathrm{mV})}$ (%) Recommended Input Runge 0~10mV DC Voltage signal 0~100mV DC 0~IV DC

Ordering Information

OUTPUT RESISTANCE AND LOAD RESISTANCE

Output Signal	Load Resistance	Output Impedance
4 to 20mA DC	0 to 750 Ω	
2 to 10mA DC	0 to 1500 Ω	
1 to 5mA DC	0 to 3000 Ω	
0 to 20mA DC	0 to 750 Ω	5MΩ or more
0 to 16mA DC	0 to 900 Ω	
0 to 10mA DC	0 to 1500 Ω	
0 to 1mA DC	0 to 15kΩ	

Output Signal	Load Resistance	Output Impedance
0 to 10mV DC	100kΩ or more	1000 or loss
0 to 100mV DC	100k 22 of illote	100Ω or less
0 to 1V DC		
0 to 5V DC	2kΩ or more	
1 to 5V DC		1Ω or less
0 to 10V DC	101:0 0 00	
-10 to +10V DC	10kΩ or more	