## JUXTA W Series General Specification

Model WX1 □-MA (Variable software type) WX2□-MA (Fixed software type) Moving Average Unit

**NTXUL** 

## 1. GENERAL

This is a variable or fixed software type computing unit which accepts a voltage signal from various converters and outputs the moving average computed result using the moving average time set by a handy terminal or variable resistor as an isolated DC voltage or current signal.

## 2. SPECIFICATIONS

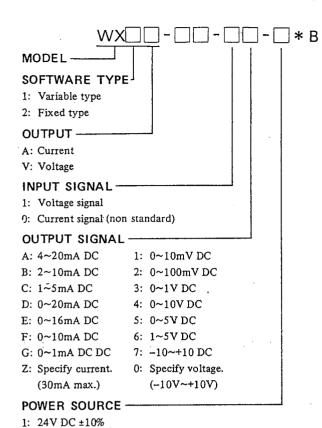
Model No.	WX1A-MA, WX1V-MA	WX2A-MA, WX2V-MA	
Input signal	DC voltage signal: 1 point	DC voltage signal: 1 point Volume setting	
Measuring range	0 to 10 V DC (Measuring span: More than 2 V) (*1)		
Input resistance	1 MΩ (At power failure: More than 100 KΩ)		
Output signal	4 to 20 mA, 2 to 10 mA, 1 to 5 mA, 0 to 20 mA, 0 to 16 mA, 0 to 10 mA or 0 to 1 mA DC 0 to 10 mV, 0 to 100 mV, 0 to 1 V, 0 to 10 V, 0 to 5 V, 1 to 5 V or -10 to +10 V DC		
Moving average time setting range	0 to 7990 sec (0.0 to 799.0%) (*2)	0 to 1000 sec (0 to 1.000 V) (*2)	
Time constant setting range	0.0 to 799.0 sec (0.0 to 799.0%) (*3)		
Basic accuracy	±0.1% of measuring span	±0.2% of measuring span	
Signal insualtion	Between any of input signal, output signal, power supply circuits and grounding		
Insulation resistance	Between any of input, output and power (DC driven) Between any of input, output, power and grounding (AC driven)  100 MΩ/500 V DC		
Dielectric strength	Between input and output/power: 1500 V AC/min. and between output and power: 500 V AC/min. (DC driven) Between any of input, output, power and grounding: 1500 V AC/min. (AC driven)		
Power supply voltage	85 to 264 V AC 47 to 63 Hz, or 24 V 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	±0.2% of span for 10°C (50°F) change		
Effect of power supply voltage	±0.1% of span for 85 to 264 V AC or 24 V DC ±10% variation	±0.2% of span for 85 to 264 V AC or 24 V DC ±10% variation	
Power consumption	100 V AC, 7.0 VA (voltage output) and 100 V AC, 8.5 VA (current output) 24 V DC, 60 mA (voltage output) and 24 V DC, 82 mA (current output)		
Dimensions	72 (2.83") H × 48 (1.89") W × 127 (5.00") D mm (inch)		
Weight	Approx. 150 g (DC driven), 280 g (AC driven)		
Accessories	Tag number label: 1 sheet Mounting blocks: 2 pcs.		

Specify the following:

(\*1) Measuring range from □ to □V

(\*2) Moving average time: □sec

(\*3) 1st-order lag time constant: □sec



Ordering Information					
Measuring Range of Input					
Voltage input signal:					
2V min. Span	2V min. Span for 0~10V DC				
Current input signal	Current input signal (input resist. $250\Omega$ ):				
$(250\Omega) \times (Input current)$ shall be within the measuring span of voltage input signal.					
	Recommended Range				
	4~20mA DC				
	2~10mA DC				
Current signal	0~20mA DC				
	0~16mA DC				
	0~10mA DC				
	0~10V DC				
Voltage signal	0∼ 5V DC				
	1∼ 5V DC				

(Note) Change of input between voltage and current is impossible by Handy Terminal.

## OUTPUT RESISTANCE AND LOAD RESISTANCE

2: 85~264V AC

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

Output Signal	Load Resistance	Output Impedance
0 to 10mV DC	100kΩ or more	100Ω or less
0 to 100mV DC	100k32 of more	
0 to 1V DC		1Ω or less
0 to 5V DC	2kΩ or more	
1 to 5V DC		
0 to 10V DC	101-0	
-10 to +10V DC	10kΩ or more	