## JUXTA W Series General Specification

Model WX3□-ML (Variable software type) Multiplier

**NTXUL** 

## 1. GENERAL

This is a variable software type computing unit which accepts two mV inputs signal from a converter and outputs isolated various valtage or current signal after two-input multiplication are performed.

## 2. SPECIFICATION

Model No.	WX3A-ML WX3V-ML						
Input signal	mV signal:two points						
Measuring range	-2 to 10mV (There is accuracy limitation for spans of more than 3mV and less than 10 mV) -10 to 50mV (For span of more than 10mV) -50 to 250mV (For span of more than 50 mV) -100 to 1250mV (For span of more than 250mV) (*1)						
Input resistance	1 MΩ (At power failure: More than 3 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						
Computing equation	Where, Y:Output signal (%) Y=K3 (K1·X1+A1)·(K2·X2+A2)+A3 X1 and X2:Input signal (%) K1 to K3:Gain (No unit) (*2) A1 to A3:Bias (%) (*3)						
Gain/bias setting range	Gain: ±7.990 and bias: ±799.0% Both correspond to ±799.0% Determine the ranges so that the computing and the computed values do not exceed ±800.0%						
Basic accuracy	±0.5 of measuring span						
Signal insulation	Between input signal, output signal and power supply circuit						
Insulation resistance	Between input signal, output signal and power supply, output signal and power supply circuit:100MΩ/500V DC						
Dielectric strength	Between input signal output signal and power supply circuit:1500V AC/min Between output signal and power supply circuit:500V AC/min						
Power supply voltage	85 to 264V AC 47 to 63Hz or 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	±0.2% of span for 10°C (50°F) change						
Effect of power supply voltage	±0.2% of span for 85 to 264V AC or 24V DC ±10% regulation						
Power consumption	100V AC, 7.0 VA (voltage output) and 100V AC, 8.5 VA (current output) 24V DC, 60mA (voltage output) and 24V DC, 82mA (current output)						
Dimensions	72(2.83") H×48(1.89") W×127(5.00") D mm(inch)						
Weight	Approx. 280g						
Accessories	Accessories Tag number label: 1 sheet Mounting blocks: 2 pcs.						

Specify the following:

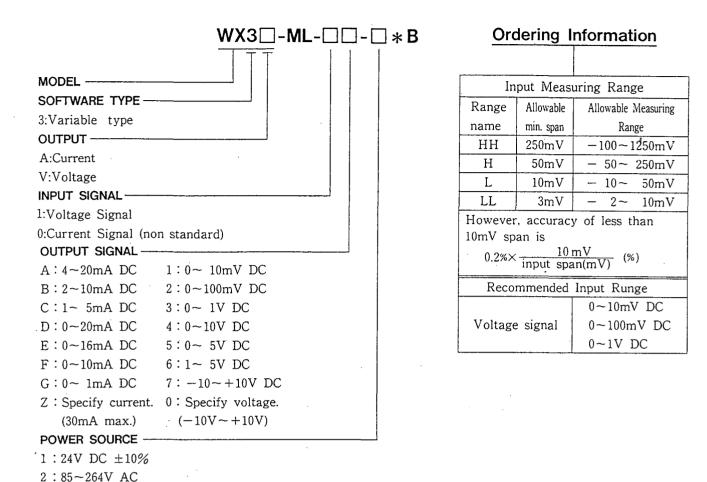
(\*1) Measuring range from □ to □mV

Range accuracy for span of less than 10 mV:0.2×10/(mV input span)%

(\*2) Gain K1, K2 and K3 within the range between -7.990 and 7.990

(\*3) Biases A1, A2 and A3 within the range between -799.0 and 799.0%





## OUTPUT RESISTANCE AND LOAD RESISTANCE

Output Signal	Load Resistance	Output Impedance	Output Signal	Load Resistance	Output Impedance
4 to 20mA DC	0 to 750 Ω	$5 \mathrm{M}\Omega$ or more	0 to 10mV DC	100kΩ or more	100Ω or less
2 to 10mA DC	0 to 1500 Ω		0 to 100mV DC		
1 to 5mA DC	0 to 3000 Ω		0 to 1V DC		
0 to 20mA DC	0 to 750 Ω		0 to 5V DC	$2k\Omega$ or more	
0 to 16mA DC	0 to 900 Ω		1 to 5V DC		$1\Omega$ or less
0 to 10mA DC	0 to 1500 Ω		0 to 10V DC	10kΩ or more	
0 to 1mA DC	0 to 15kΩ		-10 to +10V DC	TOR 52 OF INOTE	