JUXTA F Series General Specification

Model FX3□-LE (Variable software type)
FX4□-LE (Fixed software type)
1st-order Lead Unit

NTXUL

1. GENERAL

This is a variable or fixed software type computing unit which accepts a mV signal from various converters and outputs the 1st-order lead computed result using a time constant set by a handy terminal or variable resistor as an isolated DC voltage or current signal.

2. SPECIFICATIONS

Model No.	FX3A-LE, FX3V-LE	FX4A-LE, FX4V-LE	
Input signal	mV signal: 1 point	mV signal: 1 point Volume setting	
Measuring range	-2 to 10 mV (There is accuracy limitation for spans of more than 3 mV and less than 10 mV.) -10 to 50 mV (For span of more than 10 mV) -50 to 250 mV (for span of more than 50 mV) -100 to 1250 mV (for span of more than 250 mV) (*1)		
Input resistance	1 MΩ (At power failure: More than 3·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		
Computing equation	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Output signal Input signal (%) Fime constant (sec)	
Time constant setting range	1.0 to 799.0 sec (1.0 to 799.0%) (*2)	1.0 to 100.0 sec (0.010 to 1.000 V)	
Basic accuracy	±0.2% of measuring span		
Signal insulation	Between input signal and output signal/power supply circuits, and between output signal and power supply circuits		
Insulation resistance	Between input signal and output signal/power supply circuits Between output signal and power supply circuits: 100 M Ω /500 V DC		
Dielectric strength	Between input signal and output signal/power supply circuits: 1500 V AC/min Between output signal and power supply circuits: 500 V AC/min		
Power supply voltage	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	±0.2% of span for 24 V DC ±10% variation		
Power consumption	24 V DC, 56 mA (Voltage output) and 24 V DC, 78 mA (Current output)		
Dimensions	72 (2.83") H × 24 (0.94") W × 127 (5.00") D mm (inch)		
Weight	Approx. 130 g		
Accessories	Tag number label: 1 sheet Mounting blocks: 2 pcs.		

Specify the following when ordering:

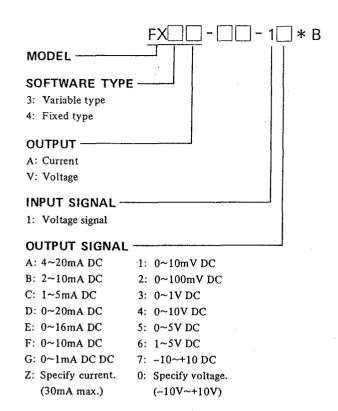
(*1) Measuring range from □ to □mV

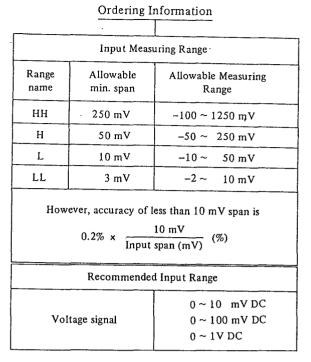
Range accuracy for span of les than 10 mV; 0.2 × 10/(mV input span) %

(*2) 1st-order lead time constant; □sec

YOKOGAWA ◆

GS JF104-02E 3rd Edition : Sep. 2004(KP)





OUTPUT RESISTANCE AND LOAD RESISTANCE

Output Signal	Load Resistance	Output Impedance
4 to 20mA DC	0 to 750Ω	
2 to 10mA DC	0 to 1500Ω	
I to 5mA DC	0 to 3000Ω	1
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	100825 OL HIOLE	
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	