JUXTA F Series General Specification

Model FX1□-PH (Variable software type)
FX2□-PH (Variable software type)
Peak Holder

JUXTA

1. GENERAL

This is a variable software type computing unit which accepts two voltage signal input points or one voltage and one contact signal input points from various converters, and outputs an isolated DC voltage or current signal corresponding to the peak value when hold input signal is more than 75% (at hold command input OFF).

2. SPECIFICATIONS

Model No.	FX1A-PH, FX1V-PH	FX2A-PH, FX2V-PH
Input signal	DC voltage signal: 2 points	DC voltage signal: 1 point Contact point input: 1 point
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	
Basic accuracy	±0.1% of measuring span	±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 MΩ/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	±0.1% of span for 24 V DC ±10% variation	±0.2% of span for 24 V DC ±10% variation
Power consumption	24 V DC, 60 mA (Voltage output) and 24 V DC, 82 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.	

(*1) Specify measuring range from □ to □ V.

FX□□-□□-□□ * B

MODEL

SOFTWARE TYPE
1: Variable type
2: Fixed type

OUTPUT
A: Current
V: Voltage

INPUT SIGNAL
1: Voltage signal
0: Current signal (non standard)

OUTPUT SIGNAL

A: 4~20mA DC	1: 0~10mV DC
B: 2~10mA DC	2: 0~100mV DC
C: 1~5mA DC	3: 0~1V DC
D: 0~20mA DC	4: 0~10V DC
E: 0~16mA DC	5: 0~5V DC
F: 0~10mA DC	6: 1~5V DC
G: 0~1mA DC DC	7: -10~+10 DC
Z: Specify current. (30mA max.)	0: Specify voltage. (-10V~+10V)

Ordering Information

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

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

OUTPUT RESISTANCE AND LOAD RESISTANCE

Output Signal	Load Resistance	Output Impedance
4 to 20mA DC	0 to 750Ω	5MΩ or more
2 to 10mA DC	0 to 1500Ω	
1 to 5mA DC	0 to 3000Ω	
0 to 20mA DC	0 to 750Ω	
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		
0 to 1V DC	2kΩ or more	1Ω or less
0 to 5V DC		
1 to 5V DC		
0 to 10V DC	10kΩ or more	
-10 to +10V DC		