PMC-X4 Series

High Precision Quick Measurement Instrument Controller

Features

1. Compact structure, high positioning accuracy and fast speed.
2. With full closed-loop position control function to achieve accurate control of the end position of the structure.
3. With 2D space interpolation motion function, excellent motion control capability to ensure high stability motion.
4. Real-time adjustable motion feed rate function, convenient to adjust the motion speed at any time.
5. 100M Ethernet communication interface, short delay, stable work.
6. Adopt s-type flexible acceleration and deceleration design to reduce the oscillation shock caused by motion start and stop.
7. Real-time adjustable motion feed rate function, convenient to adjust the motion speed at any moment.
8. Ergonomic design of the handpiece, easy to operate, intuitive and simple, robust and durable.

PMC-X4 Series Specifications

Input Voltage	DC24V/2A	DC24V/2.5A
Driving Axis Number	4	4
U-Axis Control Mode	Stepping	Pulse output open loop control
Servo Refresh Frequency	5KHz	5KHz
Closed-Loop Control Algorithm	PID+VFF	PID+VFF
Drive Mode	XYZ Axis: pulse+direction U axis:	Four axes: pulse+direction
Max.Output Pulse Frequency	4MHz	4MHz
Scale Counting Axis Number	3	3
Counting Input Signal Type	RS422	Rs422
Max. Frequency Of Scale Counting	10MHz	10MHz
LED Channel Number	10 partitions (8+2)	10 Partition (8+2)
LED Brightness Adjustable Level	256	256
LED Driving Method	Co positive constant current driving	Co positive constant current driving
Surface Light Output Capacity	8 Partitions: 100mA(max)@12V/Channel	8 Partition: 100mA(max)@24V/Channel
Profile Light Output Capability	0-27mA@0-12V/0-420mA@0-12V	0-50mA@0-5V/0-200/420mA@0-12V
Coaxial Light Output Capability	100mA@0-5V	0-150mA@0-5V
I/O Expansion	8 Input/9 Output(12V/24V)	5 Input/6 Output(24V)
Communication Method	Ethernet	Ethernet
Probe Base Support	Manual base, direct base	Manual base, direct base, automatic base PH10T/M, CZ10T
Probe Support	Tp20, Cf20	Cf20, TP20, Tp200
Machine Size	263*134*59.1mm	234*120*5.1mm

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