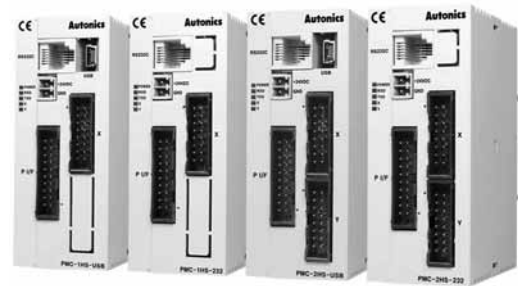


1 · 2-Axis High Speed Programmable Motion Controller

1 · 2-Axis high speed programmable motion controller

■ Features

- Max. 4MHz high-speed operation
- 4 operation modes : Scan, Continuous, Index, Program
- 12 control command and 64 steps of operations
- Parallel I/O terminal connectable on PLC
- Operation program by exclusive SW, making and editing parameter
- Easy operation of X, Y stage with joy stick
- Remote control with RS232C port for all types
- Teaching and monitoring function by using teaching unit (PMC-2TU-232)



PMC-1HS (USB/485) PMC-1HS (232) PMC-2HS (USB/485) PMC-2HS (232)

● Teaching unit (It is optional)



PMC-2TU-232

⚠ Please read "Caution for your safety" in operation manual before using.



■ Ordering information

PMC - 2HS - USB

232	RS232C
485	RS485 / RS232C
USB	USB / RS232C
1HS	1-Axis High Speed Stand-Alone
2HS	2-Axis High Speed Stand-Alone
PMC	Programmable Motion Controller

■ Specifications

Model	PMC-1HS-232	PMC-1HS-485	PMC-1HS-USB	PMC-2HS-232	PMC-2HS-485	PMC-2HS-USB
Control axis	1-Axis			2-Axis (Each axis can be independently programmed)		
Motor for control	Pulse string input stepping motor or servo motor					
Power supply	24VDC ±10%					
Power consumption	6W Max.					
Operation mode	SCAN / CONTINUOUS / INDEX / PROGRAM					
Inposition type	Absolute type / Incremental type					
Index step numbers	64 step per each axis					
Inposition range	-8,388,608 ~ +8,388,607 (Pulse scaling function is available)					
Drive speed numbers	4					
Range for the drive speed configuration	1 pps ~ 4 Mpps (1~8000×Magnification 1~500)					
Output pulse type	2 Pulse output (Line drive type)					
Home search mode	High speed near home search (Step1) → Low speed near home search (Step2) → Low speed Z-phase search (Step3) → High speed offset movement (Step4). Configuring the detection method and Enable/Disable in each step.					
Program function	Memory	EEPROM				
	Step	64 Steps				
	Control	ABS, INC, HOM, IJP, OUT, OTP, REP, RPE, END, TIM, NOP (12 EA)				
	Start	Power On Program Auto-start function				
Home search	Power On Home search Auto-start function					
Teaching unit	Adding operation mode, Parameter, Program drive handling (Scan operation, program execution, home search, etc)					
Common output	1 end point			2 end point		
Control interface	Parallel Interface P I/F					
Ambient temperature	0 ~ 45°C (at non-dew status)					
Ambient humidity	35% ~ 85% (at non-dew status)					
Accessory	Common	Manual book & CD				
	Power connector	CN1 : MC1,5/2-ST-3.5 (PHOENIX) 1EA				
	RS-232C connector	CN2 : RS-232C communication cable (1.5m) 1EA				
	P I/F connector	CN3 : 20P MIL standard, 2.54mm connector 1EA				
	X axis input/output connector	CN4 : 16P MIL standard, 2.54mm connector 1EA (2HS:2EA)				
	Y axis input/output connector	CN5 : 16P MIL standard, 2.54mm connector 1				
USB/485 connector	—	Included (*1)	Included (*2)	—	Included (*1)	Included (*2)
Unit weight	Approx. 96g			Approx. 102g		

(*1) RS485 connector → MC1, 5/3-ST-3.5 (PHOENIX) 1EA (*2) USB connector → USB communication cable (1.5m) 1EA

- (A) Counter
- (B) Timer
- (C) Temp. controller
- (D) Power controller
- (E) Panel meter
- (F) Tacho/Speed/Pulse meter
- (G) Display unit
- (H) Sensor controller
- (I) Switching power supply
- (J) Proximity sensor
- (K) Photo electric sensor
- (L) Pressure sensor
- (M) Rotary encoder
- (N) Stepping motor & Driver & Controller
- (O) Graphic panel
- (P) Production stoppage models & replacement