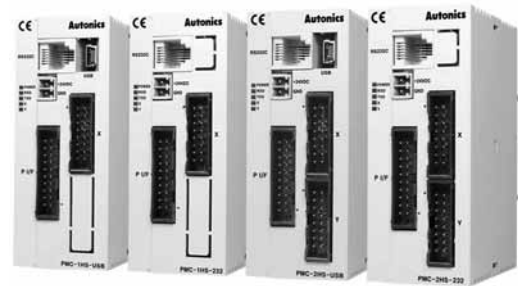


1 · 2-Axis High Speed Programmable Motion Controller

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 switch, making and editing parameter
- Easy operation of X, Y stage with joy stick
- 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 (Sold separately)



PMC-2TU-232

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



■ Ordering information

PMC - 2HS - USB

232	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-USB	PMC-2HS-232	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 (*1)
Unit weight	Approx. 96g		Approx. 102g	

(*1) USB connector → USB communication cable (1m) 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