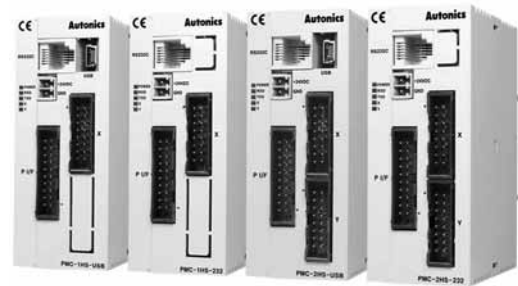# 1・2-Axis High Speed Programmable Motion Controller

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)

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

CE

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

● Teaching unit(Sold separately)

PMC-2TU-232

■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-Aixs		2-Aixs(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, JMP, 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℃(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