

Controllers

Reference Various cables G108 – G109



GSC-01	GSC-02	SHOT-702
		
Reference G098	Reference G099	Reference G100
Standard driver (full step/half step)		
0.75A/phase rated motor or lower		
Single axis	1 – 2 axes	1 – 2 axes

OSMS-ZF
SGSP-40/60YAW
SGSP-ACT-B0
OSMS-40
series

TAMM40/60
OSMS-60
HPS
HDS
OSMS20/26
series

OSMS33
SGSP-80/120/160YAW
TAMM100
KLSA/KLSS
series

KST
series

OSMS(CS)
series

KST(GS)
series

Stepping Motor Stage

Stages with built in
Glass-scale Encoder

Part Name		1 axis Stage Controller	2 axis Stage Controller	2 axis Stage Controller
Part Number		GSC-01	GSC-02	SHOT-702
Primary Functions	Controller Function	○	○	○
	Number of Control Axes	1	2	2
	Stored Program Control	—	△	—
	Feedback Control	—	—	—
	Circular Interpolation Control	—	—	—
	Linear Interpolation Control	—	—	—
	Driver Function	Standard	Standard	Standard
	Micro-step (Max. Division)	2	2 (half step only)	250
General Specifications	Driving Current (A/phase)	0.8	0.8	1.1
	Power Voltage	DC24V 1.2A	DC24V 2A	AC100 – 240V 50/60Hz
	Power Consumption	30VA	48VA	50VA
	External Dimensions (W×H×Dmm)	47×90×125	180×40×125	260×70×280
	Weight (kg)	0.4	0.7	2.8
Interface	GP-IB	—	—	—
	RS232C	○	○	○
	USB	—	—	—
	Ethernet	—	—	—

GIP-101	SHOT-302GS	SHOT-304GS	HIT-M	HIT-S	PGC-04-U
					
Reference G101	Reference G102	Reference G102	Reference G103	Reference G103	Reference G104
Micro-step driver					
	1.4A/phase rated motor or lower		0.75A/phase rated motor or lower		
Single axis	1 – 2 axes	1 – 4 axes	1 – 8 axes		4 axes
D15RP-CA cable	D15RP-CA cable	D15RP-CA cable	D15RP-CA cable		D15RP-CA cable
D15RP-CA cable (OSMS20/26: D15D15A cable)	D15RP-CA cable (OSMS20/26: D15D15A cable)	D15RP-CA cable (OSMS20/26: D15D15A cable)	D15RP-CA cable (OSMS20/26: D15D15A cable)		D15RP-CA cable (OSMS20/26: D15D15A cable)
Not compatible * SGSP-YAW compatible D15D15A cable	D15D15A cable	D15D15A cable	D15D15A cable		D15D15A cable
Not compatible	D15D15A cable	D15D15A cable	Not compatible		D15D15A cable
Not compatible	DHR/GSE cable	DHR/GSE cable	DHR/GSE cable		Not compatible
Not compatible	DHR/GSE cable	DHR/GSE cable	Not compatible		Not compatible

Intelligent Positioning System	2 axis Stage Controller	4 axis Stage Controller	Extensible Stage Controller (Master)	Extensible Stage Controller (Slave)	Pulus Generating Controller
GIP-101	SHOT-302GS	SHOT-304GS	HIT-M	HIT-S	PGC-04-U
○	○		○	—	○
1	2	4	8	—	4
—	○		○	—	○
—	Glass scale		Glass scale (except for KST(GS))		—
—	○		○	—	○
—	2 axes		3 axes	—	○
Micro-step	Micro-step		—	Micro-step	—
250	250		—	250	—
0.75	1.4		—	1.1	—
AC100–240V 50/60Hz	AC100–240V 50/60Hz		DC24V 1A		DC24V 1.4A
100VA	160VA	300VA	24VA		34VA
145×205×81	270×118×302		130×120×50		180×140×60
2.0	5.5	6.5	0.62	0.63	1.3
—	○	○	—	—	—
○	○	○	○	—	—
—	○	○	○	—	○
—	—	—	○	—	○