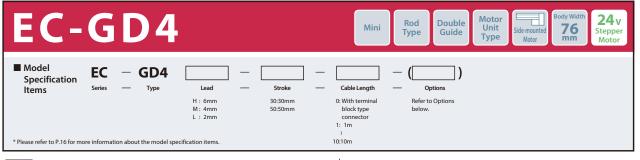
## EC ELECYLINDER





\* Depending on the model, there may be some limitations to using the vertical, side, and ceiling mount positions. Please contact IAI for more information regarding mounting positions.



Table of Payload by Speed/Acceleration

	Lead 6						
	Orientation	Horiz	ontal	Ver	tical		
	Speed		Acceleration (G)				
	(mm/s)	0.3	0.5	0.3	0.5		
	0	2.5	2.5	1	1		
	300	2.5	2.5	1	1		

Lead 4 Orientation Horizontal Vertical Acceleration (G) Speed (mm/s) 0.5 0.3 0.5 0.3 0 4 4 1.5 1.5 200 4 4 1.5 1.5

## Lead 2 Orientation Herizontal Vertical

Orientation	Horizontal	Vertical		
Speed (mm/s)	Acceleration (G)			
(mm/s)	0.3	0.3		
0	8	2.5		
100	8	2.5		

OIN electio Note

Horizontal payload is the value when also using a guide so that radial and moment loads are not applied to the rod. If not installing a guide, refer to the correlation diagram of radial load and service life (P.67).

(2) The maximum acceleration/deceleration is 0.3G for lead 2 and 0.5G for leads 4 and 6. (3) When performing push-motion operation, refer to P.65.

Actuator Specifications								
Lead and Payload						Stroke and Max Speed (Unit: r		
Madal number	Model number         Lead (mm)         Max. pulse         Max. push force (N)*	Max. payload		Max. push	Lead	30	50	
Model Humber		(mm)	(mm)	(mm)				
EC-GD4H-1-2(-3)	6	2.5	1	30	6	300		
EC-GD4M-1-2(-3)	4	4	1.5	45	4	2	00	
EC-GD4L-①-②(-③)	2	8	2.5	90	2	1	00	
Legend: ① Stroke ② Cable Length ③ Optic	bn					*Speed limitation applies to push m	notion. See the manual or contact IAI.	

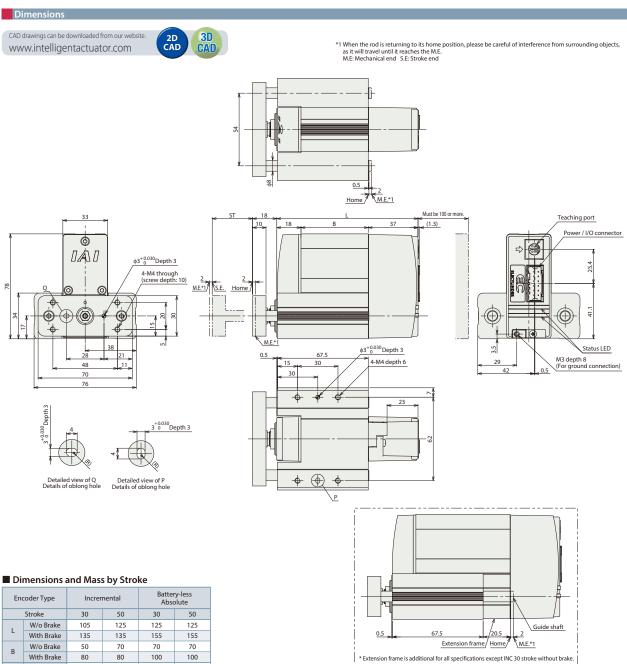
① Stroke				
① Stroke (mm)	EC-GD4			
30	0			
50	0			

② Cable Length				
Cable code	Cable length			
0	No cable (with connector)			
1~3	1~3m			
4~5	4~5m			
6~10	6~10m			

③ Options					
Name	Option code	Reference page			
Brake	В	See P.59			
PNP specification	PN	See P.62			
Battery-less Absolute Encoder specification	WA	See P.62			
Wireless communication specification	WL	See P.62			

Actuator Specifications				
Item	Description			
Drive system	Ball screw ø6mm, rolled C10			
Positioning repeatability	±0.05mm			
Frame	Material: Aluminum, black alumite treatment			
Ambient operating temperature/humidity	0 to 40°C, 85% RH or less (Non-condensing)			
Service life	5,000km or 50 million cycles			

**49** EC-GD4



Encoder Type		Incren	nental	Battery-less Absolute		
Stroke		30	50	30	50	
	W/o Brake	105	125	125	125	
L	With Brake	135	135	155	155	
В	W/o Brake	50	70	70	70	
0	With Brake	80	80	100	100	
Weight	W/o Brake	0.9	0.9	0.9	0.9	
(kg)	With Brake	1.0	1.0	1.0	1.1	

Name	Touch Panel Teaching Pendant	PC software	24VDC power supply
External view			
Model	☐ TB-02 (for wired connection only) ☐ TB-03 (for wired/wireless connection)	□ RCM-101-MW (R5232 connection version) □ RCM-101-USB (USB connection version)	□ P5-241 (100V input) □ P5-242 (200V input)
verview	<ul> <li>TB-02         A teaching pendant equipped with functions such as start point, end point, and AVD input, trial operation, and monitoring.         TB-03         A data setter that supports wireless connection.         The start point, end point and AVD can be input with wireless connection.     </li> </ul>	Software for start point input, end point input and AVD input, trial operation, and monitoring using a PC. Both the RS232C version and USB version are available for PC connection.	A 24VDC power supply that can instantaneously output up to 17A. Input voltage 200VAC and 100VAC specifications are available.

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