

# Azbil Corporation

## High-Accuracy Position Sensors K1G-C04M

### Features

- The controller, K1G-C04M supports MECHATROLINK-III.
- It achieves high-speed at a baud rate of 100 Mbps and high-reliability communications, furthermore, realizes the synchronous communication.
- Only two wires are required between the PC/PLC and the K1G-C04M for wiring. You can reduce greatly wiring time and save space.
- Using the Pro-face GP4000 series allows the setting and checking of a parameters used by the K1G series.
- The Pro-face Remote HMI allows the setting and checking of parameters using a Wi-Fi-equipped tablet.



K1G-C04M

### Specifications

Catalog listing		K1G-C04/K1G-C04G	K1G-C04M/K1G-C04MG
Compatible sensor		K1G-S□□	
Max. number of connected sensors		4	
Reading	Min. display unit	0.1 μm	
	Display range	With K1G-S07	0 to 7 mm -3.5 to +3.5mm can be selected
		With K1G-S15	0 to 15 mm -7.5 to +7.5mm can be selected
Measurement cycle (Output update cycle)		250μm/500μm/1ms (switchover)	
Analog output		4 outputs: 4-20 mA or 1-5 V (all outputs are switched over at once)	-
Digital output		8 outputs: NPN or PNP transistor (all outputs are switched over at once)	-
Digital input		4 inputs: non-voltage contacts and NPN or PNP open collector (all points are switched over at once)	-
Communications		RS-485 (Modbus RTU)	MECHATROLINK-III
Supply power		DC12 to 24 ± 10%	
Operating temperature		0 to 50°C (0 to 35°C if gang-mounted)	
Storage temperature		-20 to 70°C (without freezing)	
Operating humidity		30 to 85 % RH (without condensation)	
Vibration resistance		2m/s <sup>2</sup> (10 to 60 Hz), 2 h each in X, Y, and Z directions	
Protection circuit		Power reverse connection protection	

### MECHATROLINK specifications

	M-III
Profile	Standard I/O
Data size	32byte, 48byte
Transmission cycle	0.25/0.5/1-64 ms [Selectable by 0.5ms]

### Contact Information

Azbil Corporation Advanced Automation Company

Marketing Dept., Sensor Group2  
1-12-2, Kawana, Fujisawa-shi, Kanagawa-ken,  
251-8522, Japan

TEL : +81-466-20-2232

FAX : +81-466-20-2193

E-mail : n.kiire.uf@azbil.com

URL : <http://www.azbil.com/>