

Multifunction Gateway Communication Controller | CMC15G

The CMC15G is communication controller designed to connect Azbil's digital indicating controllers and flowmeters to host units, including PLCs from other manufacturers.

There are two models: a basic model and an advanced-function model equipped with a logging function.

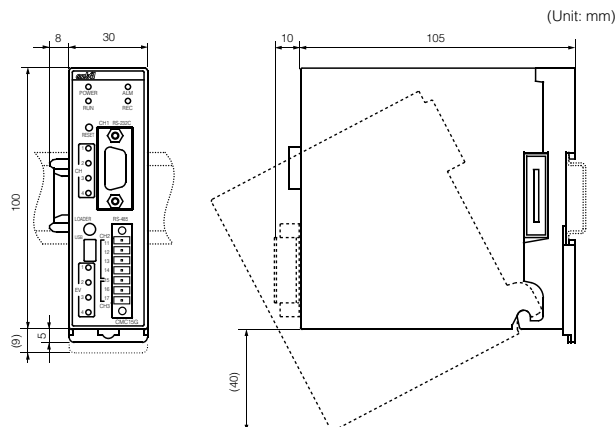
The CMC15G is equipped with an RS-232C interface (1 channel), RS-485 interface (3 channels), a dedicated loader port for connection to a PC, and a USB port.



Specifications

Communication specifications	CH1	RS-232C, full duplex, half duplex protocol, cable length 15 m or less, D-Sub pin, Max. communication speed: 115.2 kbps
	CH2	RS-485, full duplex, half duplex protocol, five-wire type, cable length 500 m or less, connector (5-pin of 7-pin connector), Max. communication speed: 115.2 kbps
	CH3	RS-485, half duplex, three-wire type, cable length 500 m or less, connector (3-pin of 7-pin connector), Max. communication speed: 19.2 kbps
	CH4	RS-485, half duplex, three-wire type, cable length 500 m or less, screw terminals on the base, Max. communication speed: 38.4 kbps
	USB	USB 2.0, full speed 12 Mbps, mini-B, 5-pin
Event bus	Number of event buses	4
	Function	Outputs the logical add of the same bus event outputs from each DMC10.
General specifications	Rated power supply voltage	24 Vdc
	Power consumption	3 W or less
	Weight	Approx 200 g

External dimensions



Model No. configuration

Name	Model No.
CMC15G (basic model)	CMC15GS01A000
CMC15G (high-function model)	CMC15GD01A000

Optional parts (separately sold)

Name	Model No.
Smart Loader Package	SLP-G15J50
Gateway Editor Ver. 2.0	
Smart Loader Package	SLP-G15LGV
Log Viewer	
Battery	81446431-001

Description of functions

Data transfer	Transfers data between devices that are connected to CMC15G.
Device setup	Writes data collectively in digital indicating controllers and PLCs. As data can be stored in the internal memory of CMC15G, it can be used for initial setup of digital indicating controllers and switching of recipe before starting operation.
Internal event	Turns on and off the bit device of a device connected to CMC15G and, by comparing the values of word devices, turns on and off the bit device inside CMC15G.
Digital signal input/output bus	Inputs and outputs digital signals to/from DMC10 by utilizing the external bus for DMC10.
Trend (high-function model only)	<ul style="list-style-type: none"> - Continuous trend Reads data in digital indicating controllers and PLCs at periodic intervals and continuously stores them in the internal memory of CMC15G. - Capture trend Reads data in connected devices at periodic intervals and stores the data as of before and after trigger occurrence in the internal memory of CMC15G.
Data log (high-function model only)	Stores related information on the connected devices in the internal memory of CMC15G upon occurrence of trigger.
Event log (high-function model only)	Stores history of ON/OFF of registered event (bit information) in the internal memory of CMC15G.
Log Viewer	This function allows you to easily confirm when and what happened in the dedicated PC tool.
(dedicated tool for high-function model)	It enables you to visually analyze, for example, the condition of the trend data at the time recorded in the event log by coordinating with the logging function.
Status notification	Notifies the status of CMC15G to the host units.
Communication abnormality notification	Notifies the host units of the abnormal condition when an abnormality occurs in communication between the connected devices.
Clock setting	Sets the clock of CMC15G based on the clock of the host unit.
Operation/abnormality history	Stores the history of operation made to CMC15G, device abnormality, and communication abnormality.
Loader through	Utilizes the dedicated loader* (SLP-□□□, etc.) for a digital indicating controller via CMC15G. *: The target loaders are SLP-D10, SLP-C35, SLP-C45, and MLP100.
Online monitor	Monitors the communication condition between connected devices, communication execution cycle, and other conditions.