

INTRODUCTION

GC315 is suited for managing the most common three-phases generator applications (Single Prime Mover and Single Stand-by gensets). It can monitor 3 phase (RMS) mains voltages and 3 phase (RMS) generator voltages and currents, An integrated J1939 Canbus interface enables the controller to be used with electronic engines. A traditional interface can be used for non-electronic engines.

Extensive input and output capability with optional communication interfaces (Plus and Link 5G ready versions), make this an extremely powerful single genset controller. With its user-friendly interface, GC315 provides instant visualisation of measures and alarms coming from the genset.

The adjustable parameters of the controller enable both standard and customized tasks to be performed, set directly from the controller's keyboard or by using the free software tool.

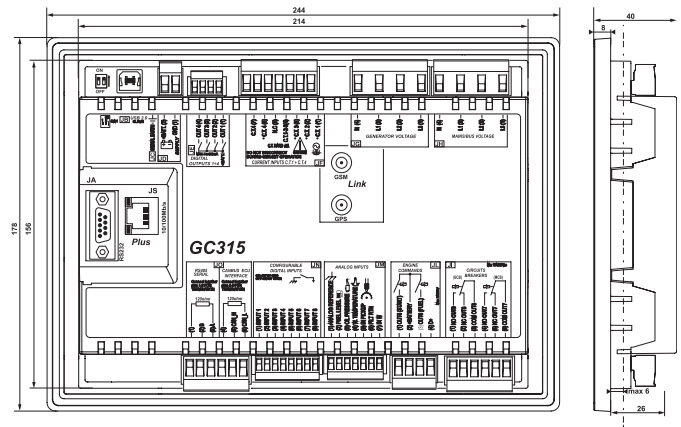
A version with built in GPRS/GPS tracking (GC315Link 5G) is particularly suited for mobile or rental applications, where asset tracking and monitoring is required.

MAIN FEATURES

- Remote control systems.
- True RMS readings on mains voltages and on generator voltages and currents. Neutral measure included.
- Active, reactive and apparent power measurements.
- Frequency and power measurement on mains input.
- Engine speed measurement by frequency, pick-up or W.
- 8 programmable inputs and 8 programmable outputs.
- Additional current measurement for neutral or ground fault protection (50N + 64).
- Graphic display with self or manual adjustable contrast based on the temperature.
- Insulated and auto-supplied J1939 and MTU MDEC CAN interface.
- USB interface with MODBUS RTU protocol.
- RS232 serial port with MODBUS RTU protocol.
- RS485 insulated serial port with MODBUS RTU protocol.
- Ethernet interface with MODBUS TCP protocol.
- GPRS Modem.
- Capable of connection to SIMONE software.
- Real Time Clock with rechargeable battery.
- Events and data recording.
- Free monitoring tool.

EMBEDDED FUNCTIONS

- Engine diagnostic codes.
- Real Time Clock with internal rechargeable lithium battery.
- Periodical test.
- Hours counter for the maintenance schedule.
- Starter counters with delays cranks counters.



- Daily counter with embedded calendar for the maintenance.
- Smart weekly and monthly calendar for selecting specific days of the year.
- Configurable automatic daylight save time.
- AND/OR logics and configurable TIMERS.
- Remote start and stop.
- 126 Events log.
- Fuel pump management.
- Pre-glow and coolant heater management.
- Embedded alarm horn.
- Possibility of graphic customization with low costs.
- Programmable via PC or controller's keyboard.
- Remote firmware update.
- SMS communication.
- NTP, DHCP and DNS.
- N. 1 threshold as load shedding.

GC315 COMMUNICATIONS

GC315

- N.1 USB port.
- N.1 Insulated CANBUS J1939 and MTU MDEC Interface.

GC315 Plus

- N.1 USB Port.
- N.1 Serial port RS232 Modbus RTU.
- N.1 Insulated serial port RS485 Modbus RTU.
- N.1 RJ45 port as Ethernet interface Modbus TCP.
- N.1 Insulated CANBUS J1939 and MTU MDEC Interface.

GC315 Link

- N.1 USB port.
- N.1 Serial port RS232 Modbus RTU.
- N.1 Insulated serial port RS485 Modbus RTU.
- N.1 Insulated CANBUS J1939 and MTU MDEC Interface.
- GPRS Modem.
- GPS Antenna.
- Motion sensor, accelerometer and gyroscope.
- Compliance with CE1588.

Options

- REWIND - GPRS/GSM/GPS Device.
- DANCE - Ethernet interface.

TECHNICAL DATA

- Supply voltage: 7...32 Vdc.
- Power consumption: typical less than 2W (auto mode, stand-by, AMF active, LCD lamp saving active).
- Operating frequency: 50Hz or 60Hz.
- Voltage measurement range: 30-520V L-L (50Hz) 35-520V L-L (60Hz).
- Operating temperature: -25 °C to +60 °C.
- LCD with backlight.
- Protection degree: IP65 (gasket included).
- Weight: 600g
- Overall dimension: 244 (W) x 178 (H) x 40 (D) mm.
- Panel cut-out: 218(W) x 159(H) mm.
- Graphic display dimensions: 70x38 mm - 128x64 pixel.
- Specific function for French market EJP / EJP-T.
- EMC: EN61326-1 compliant.
- Safety: built in conformity to EN61010-1.



Mecc Alte Kit
Bundle Option



Lower Costs
Smart Logistics



Global Warranty
5 Years



User Friendly
Intuitive

Mecc Alte SPA (HQ)

Via Roma
20-36051 Creazzo
Vicenza - ITALY
T: +39 0444 396111
E: info@meccalte.it

Mecc Alte U.K. LTD

6 Lands' End Way
Oakham
Rutland, LE15 6RF
T: +44 (0) 1572 771160
E: info@meccalte.co.uk



The information contained in this document is substantially correct at the time of publication but may be subject to change. Please work with your Mecc Alte contact to confirm details.