

Magneti Marelli AMG1200 20 Channel Analog Expansion Module



Brand: Magneti Marelli

Product Code: AMG1200

Availability: 1

Weight: 0.30kg

Dimensions: 20.00cm x 15.00cm x
10.00cm

Price: \$2,365.00

Short Description

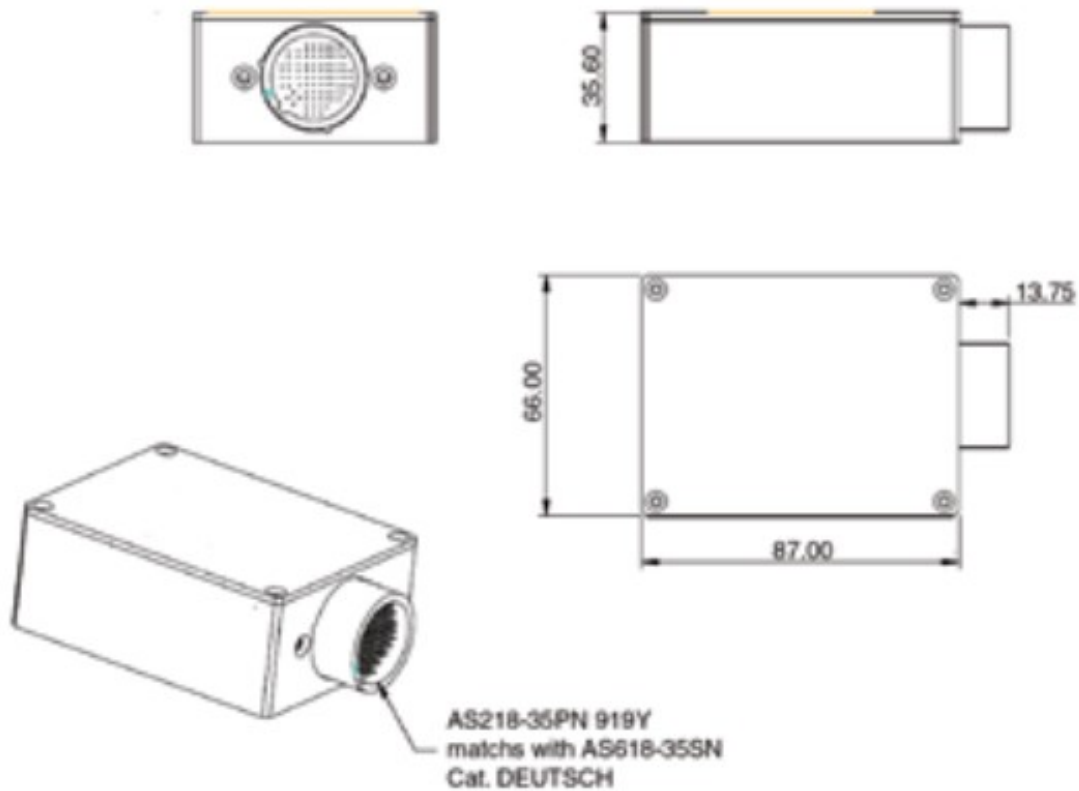
The AMG-1200-14 is a high specification analogue expansion module for use with Magneti Marelli dataloggers and ECUs.

Description

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The unit has 4 differential analogue inputs with hardware gain for K-type thermocouple, 16 single-ended, 1 Pick-ups and 4 Hall effect. Data analysis is done with 10 and 12 bit A/D. The module communicates over the CAN bus and has a sampling frequency up to 200 Hz for each of channels using a configurable software.

Features



Main

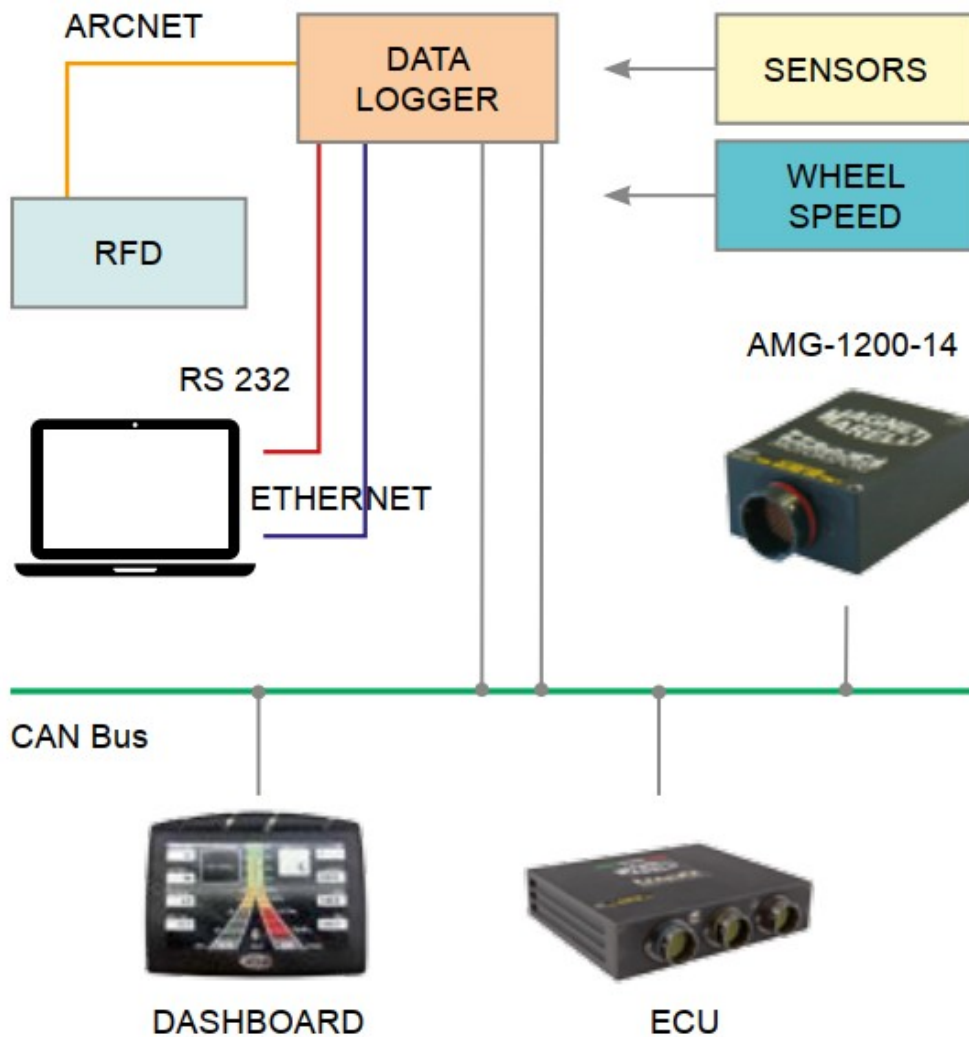
Features

- 12 Single ended analog inputs @ 12 bit resolution
- 4 Single ended analog inputs @ 10 bit resolution
- 4 Differential @ 12 bit resolution(selectable gain: 1 or 100)
- 1 Pick-ups (VR) or Hall effect
- 4 Hall effect
- 2 CAN communication buses
- Setup via Ethernet line

Key Benefits

- Floating point data management
- More inputs for ECU and Data Logger
- High precision• ID customizable (using CAN PCMCIA)
- Easy to use and configure
- Robust design and easy to install

Technical Details



Inputs

- Analogue Single-ended (@ 12 bit resolution) 12
- Analogue Single-ended (@ 10 bit resolution) 4
- Differential (*) (@ 12 bit resolution) 4K-type thermocouple 2
- NTC/PT1000 temperature sensor (selectable) 4
- NTC internal temperature sensor 1
- VR Pick-ups or Hall effect 1
- Hall effect 4
- "Code Load" enable pin 1
- Syncro (Iso9141) 1

(*) Selectable gain: 1 or 100

Outputs

- Voltage references 4

Communications

- CAN line (1 Mbit/s (**)) 2
- Ethernet line (100 Mbit/s) 1

(**) Configurable on request

Logic Core

- Microcontroller (80 MIPS RISC) 1
- Flash E2PROM (microcontroller) 1 Mbyte
- RAM memory (microcontroller) 48 Kbyte
- RAM memory 512 Kbyte
- E2PROM 4 Kbyte

Other Characteristics

- Power supply 8 to 18 V
- Operating temperature range (internal) - 40 to 85 °C
- Temperature range during data download 0 to 70 °C
- Protection class IP 54
- Dimensions without connector 66 x 87 x 35.6 mm
- Weight (approx.) 230 g