

HD67055

Protocol Converter HD67055 serie:

Produced by ADFweb.com, is used like language converter from Modbus Protocol to M-Bus and vice-versa, for read M-Bus instruments (Slave) from a Master Modbus.

Modbus:

Is the protocol most frequently used in the industrial and civil automation for the communication with several devices connected in the same net.

Defines the format and the communication mode between a Master, that control the system, and one or more slaves that answer to the master queries.

This can be, for example, a system for measuring temperature, humidity, pressure, hot and/or cold water, etc. ... and allows communication with PC/PLC.

There are two types of Modbus, divided into the serial RTU and ASCII, and the one on Ethernet, the Modbus TCP.

M-Bus:

Is a specific protocol used for the reading of Energy, hot and cold water, gas, pressure, etc. ... of counters and totalizers.

Usually the M-Bus uses a specific physical connection (Physical Layer), but in some cases it uses a RS232 or RS485 [see [HD67055](#)].

Other Solution Protocol Converter Modbus / M-Bus:

Several solutions implemented to cover all the cases presented by the market:

- Modbus to M-Bus [HD67029-B2 serie];
- Modbus TCP to M-Bus [HD67044-B2 serie];
- M-Bus to Modbus [HD67059-B2 serie];
- CANopen to M-Bus [HD67051-B2 serie];
- DeviceNet to M-Bus [HD67058-B2 serie];
- Modbus to Multi-Master M-Bus [HD67063-B2].

M-Bus to Modbus HD67055

The products of HD67055 series are protocol converter between Modbus and M-Bus.

The Modbus connection is through RS232 or RS485.

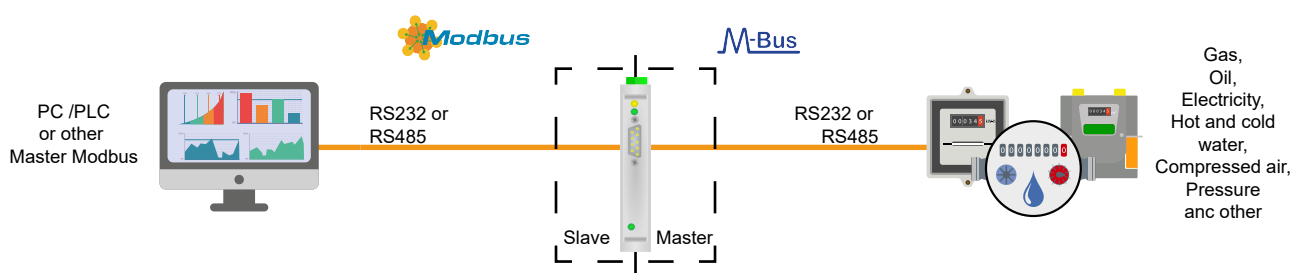
The converter is Slave at Modbus side and Master at M-Bus side.

The particularity of this instrument, unlike the HD67029M serie, is on the protocol used for communication that is placed in the physical level (Physical Layer) of RS232/RS485.

This is to meet the needs of those that have M-Bus instruments that communicates via these two types of serial connection instead of the usual M-Bus.

- European standard EN 1434;
- Microprocessor control;
- Galvanic isolation between Modbus and M-Bus;
- 35 mm DIN rail mounting;
- Settable transmission speed from 300 to 38400 baud;
- AC/DC Power supply.

Quick
PRICE



Order Code	HD67059
Technical data:	
Operating voltage:	9V .. 35V DC 8V .. 19V AC
Min / Max-load consumption:	3,5W / 4W
Transmission speed R2232/RS485:	1200 .. 115.200 baud
Transmission speed M-Bus:	300 .. 38.400 BAUD
Galvanic Isolation to M-Bus:	yes
Temperature range °C / °F:	-40/+85°C
Dimensions DxWxH:	95x71x60 mm

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QR - quick response
(matrix code)

info Modbus to M-Bus
HD67029M serie

