Protocol Converter: **Modbus** to M-Bus

(RS232/RS485 Physical layer from M-Bus side)

code 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 Motbus 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].

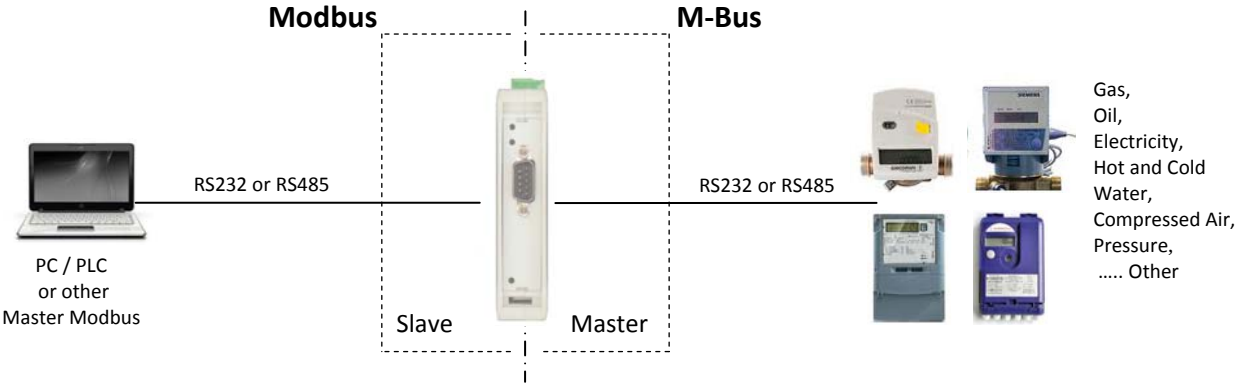
Other Soluction Protocol Converter:
Several solutions implemented to cover all the cases presented by the market:

- Modbus to M-Bus [HD67029M serie]
- Modbus TCP to M-Bus [HD67044-B2 serie]
- M-Bus to ModBus [HD67059M serie]
- CANopen to M-Bus [HD67051-B2 serie]
- DeviceNet to M-Bus [HD67058-B2 serie]
- Modbus to Multi-Master M-Bus [HD67063]

Modbus to M-Bus 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 ionstrument, unlike the HD67029M serie, in 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 comunicates 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 **Technical data:**	**HD67055**
Operating voltage:	9V .. 35V DC 8V .. 19V AC
Min / Max-load consumption:	3,5W / 4W
Transmission speed RS232/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 [-40/+185°F]
Dimensions DxWxH	120x23x107 mm

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QR—quick response (matrix code)
info Modbas to M-Bus HD67055