

meters uk Ltd

Utility Meter Manufacturers

Electric – Gas – Heat –Water Meters

M-Bus

Electricity & Heat Metering With M – Bus - Data Sheet

M – Bus is a local network which makes it possible to read up to 250 meters from a centrally located M Bus Master. It is possible to add meters to the system without closing down. The M – Bus is a module which is added to the utility meter



Electricity Meters Order Codes

Single Phase – JG200mbus

Three Phase (Wired direct) JG3101/mbus

Three Phase (CT Connected) JG3CT(amp)/mbus



Heat Meter Order Code
HCM4006/mbus

Communication Speed – Auto detection 300 to 2400 baud

Address – The meter address is used as the M Bus address

Data Acquisition – Start up, hourly, and reset. Data stored in memory

Communication Address – To be supplied by customer

Cable Connection - 2 wire / Twisted pair - maximum length 1800 metres with a 0.8 mm cable, between master and slave

Total Number of slaves = 250

Electrical Supply – Via the bus

Voltage Supply - 21 – 42 VDC

Power Consumption – 1.5 mA

Markings Approvals Standard EN 1434 – 3

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CE Complies to requirements when fitted to meters uk Ltd
manufactured products
Signal Quality ISO7480 section 3.6

M Bus Module – SHARA 100



Converts any utility meter (Electricity – Gas – Heat – Oil – Steam – Water) into M Bus
(The utility meter must have a pulsed output)

Directly connects into the M Bus system

Current drawn 3 mAmps

Shara 100 Size 50mm wide -125 mm long - 25mm deep

Connections

A – Two wire connection from mbus

B – Two wire connection – pulse lead to utility meter

Output – Shara 100 despatches 3.3vdc to power volt free/reed relays etc

Maximum Distance From utility Meter – 2 metres

Suggested wiring

All electrical installations must conform to BS7671 IEE Wiring Regulations

Below Ground – Armoured

Basec Approved – Low Voltage Armoured 2 Core – XLPE Insulated to BS 6724

Above Ground – Bell Wire – NOT SHEATHED

2 Core bell wire PVC Insulated and sheathed to IEC 60502

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