

// FAX INQUIRY

+49 (0) 5424 2928 - 77

Please send me the latest NZR product catalogue.

I am interested in the following themes:

- | | |
|--|--|
| <input type="checkbox"/> Electricity meter | <input type="checkbox"/> Water meter |
| <input type="checkbox"/> Heat meter | <input type="checkbox"/> Gas meter |
| <input type="checkbox"/> Prepayment systems | <input type="checkbox"/> Heat cost allocator |
| <input type="checkbox"/> Coin meter | <input type="checkbox"/> Radio components |
| <input type="checkbox"/> Meter leasing | <input type="checkbox"/> Load management |
| <input type="checkbox"/> Remote meter reading | |
| <input type="checkbox"/> Periodic replacement, maintenance and calibration | |

My contact data:

cnme | prename

company

position | department

street

ZIP code | city

phone | fax

e-mail

01/12 - M-Bus-ENG

// A STANDARD BUS SYSTEM ESPECIALLY FOR THE METER TECHNOLOGY

M-Bus

// STANDARD IN ACCORDANCE WITH EN1434-3

// SIMPLE INTEGRATION OF DIFFERENT MANUFACTURER

// NO SPECIAL CONDUCTOR QUALITY REQUIRED

The M-Bus also called „Meter-Bus“ is a european standard in accordance with EN1434-3 for remote meter reading and is usable for all media and types of consumption meter as well as for various sensors and actuators.

With its standardization as a galvanic interface for remote readout in the mid 1990ies the M-bus wins a great importance for the energy and housing industry as relevant users. A secure formate for remote readout has being made concerning to weights and measures regulations.

With its standardization and disclosure the realization of system devices is simple and economic. The positive effect for the system user is the simple integration of different manufacturer devices in one bus system. No special conductor quality is required for the network design of the M-bus system.

The M-bus communication occurs via the master-slave-procedure. Through the master – called „level converter“ within the M-bus network – the slaves (M-bus meter) are being responded with their bus address and requested to send the data.

// OUR SERVICE PORTFOLIO

- Electricity-, gas-, water- and heat meter with radio, LON-, M-Bus and EIB/KNX interface
- Remote meter reading system VADEV®
- Heat cost allocator
- Time and load dependent coin meter
- Prepayment system KAS
- Load peak optimization system EMOS
- Periodic replacement, maintenance and calibration
- Smart Metering

NZR is supporter of state certified testing center for measurement devices for electricity | gas | water | heat. NZR is accredited DKD-calibration laboratory for electricity | gas | water | heat.

// HOW TO FIND US

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SYSTEM TECHNOLOGY M-BUS

for electricity | gas | water | heat



// NZR – YOUR PARTNER FOR ENERGY MEASUREMENT

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NZR M-BUS COMPONENTS WITH SYSTEM



// IMPULSE MEMORY MODULES

The impulse memory modules are relevant for connection of impulse meter for electricity, gas, water or heat into the M-bus system. Concerning to the module a different number of consumption meter can be connected.

IC-M2 / IC-M2C
2 channels



IC-M12
12 channels



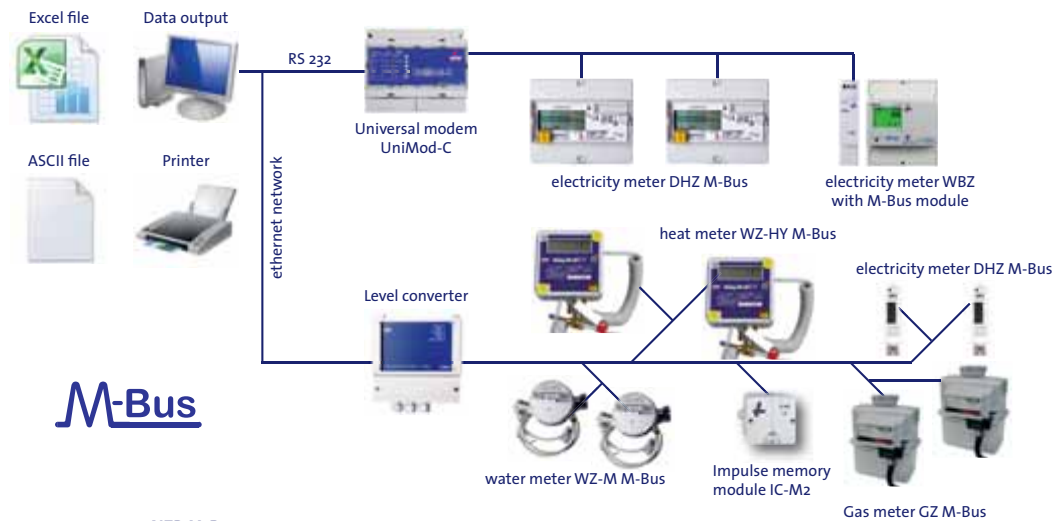
IC-M1 INLINE
1 channel - smallest design



IC-M1-D
1 channel with display



// EXAMPLE OF M-BUS NETWORK



M-Bus

// LEVEL CONVERTER

The level converter are responsible for the communication between PC and devices. Converting to the device a various number of modes and configurations are available.

PW 3 BLUETOOTH
up to 3 M-Bus devices



PWx
75/150/250 M-Bus devices



// ACCESSORY

OVERLOAD ARRESTOR



20 mA CONVERTER



DO NOT HESITATE TO CONTACT US FOR FURTHER INFORMATION OF NZR M-BUS SYSTEM COMPONENTS OR VISIT OUR WEBSITE FOR THE LATEST INFORMATION.