NMB-1

sonico® NANO wired M-Bus module

Your benefits

- Wired M-Bus module for tool-free retrofitting of an already installed or new sonico® NANO
  Quick and easy installation on site

- Pairing between NMB-1 and sonico® NANO takes place automatically via the radio interface
  Tap & Go commissioning with GWFLife-App without configuration

- Durable, static domestic water meter with integrated radio interface as standard and the option of retrofitting to wired M-Bus
  Migration solution as investment protection in the measuring point

- sonico® NANO - simultaneous connection to wireless module & drive-by
  Wireless module active for stationary reading, while mobile drive-by reading is also possible at the same time.

Applications

- Readout of the sonico® NANO via a fixnet smart metering system (e.g. electricity meter with M-Bus interface)

Properties

- Wired M-Bus according to EN 13757-2/3

- No external power supply or battery required - M-Bus power supply

- In addition to the standard integrated radio interface (Wireless M-Bus 868 MHz according to OMS), the sonico® NANO can be read out simultaneously via wired M-Bus with the NMB-1 module

- In the event of smart metering system failures, the radio interface is still available for billing readings (independence)

- Migration solution as investment protection:
  1 step: Automated readout by radio in passing
  2 step: Retrofitting with NMB-1 module and migration to a fixed network smart metering system (electricity meter with M-Bus interface)

- Pre-programmed primary address for efficient commissioning when connected to electricity meters with M-Bus interface

- M-Bus readout frequency has no influence on the battery life of the sonico® NANO

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General behavior

The NMB-1 sonico® NANO Wired M-Bus Modul supports the following functions:

- Primary address search
- Secondary address search
- Primary address change
- Baud rate change
- Data readout (via secondary and primary addressing)

Technical data

M-Bus data transmission	
Baud rate	300, 2400
Primary address	1 - 250 programmable (1 pre-programmed)
Secondary address	sonico® NANO meter number (8 numerical digits)

M-Bus device load	
Load (incl. power supply)	5 M-Bus device loads (7.5 mA)

Connection cable and max. cable length	
M-Bus connection cable	1.4m (2 x 0.25mm2, polarity-independent)
M-Bus transmission distance	Network-dependent

Mass and weight	
Dimensions	100 x 82 x 28mm
Weight	ca. 80g

Operating conditions	
Ambient temperature	-10 to +55°C
Protection class	IP52

Assembly
By means of tool-free attachment to sonico® NANO

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sonico® NANO with Drive-by configuration	sonico® NANO with fixnet configuration
Meter number	Meter number
Manufacturer	Manufacturer
Version	Version
Medium	Medium
Current meter reading	Current meter reading
Meter reading on the key date (end-of-month value)	-
Key date	-
-	Forward volume
Backflow volume	Backflow volume
-	Flow rate
-	Water temperature
-	Ambient temperature
Status	Status
Remaining battery life	Remaining battery life
Measurement device error	Measurement device error
Battery alarm	Battery alarm
Tamper detection	Tamper detection
Leak detection	Leak detection
Air detection	Air detection
Empty pipe detection	Empty pipe detection
Pipe burst detection	Pipe burst detection
Backflow detection	Backflow detection
No usage over an extended period	No usage over an extended period
Ambient temperature alarm	Ambient temperature alarm
Water temperature alarm	Water temperature alarm

Dimension Diagram

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