

VERIBOX - MICRO

AUTOMATIC METER READING (AMR)



Zertifizierung:

ATEX ExZone 1: TÜV
TÜV-A 08 ATEX 0003X AUSTRIA certified

ATEX Data-Logger with integrated wireless mobile data-transmission

VERIBOX-MICRO is an innovative, ATEX ExZone1 certified, battery-powered automatic meter reading / remote data collecting unit, which logs data at user-defined intervals and sends collected meter data via GSM/GPRS/UMTS/LTE to the backend IT-system at user-defined time intervals for wireless data retrieval and data-analysis.

In addition, VERIBOX-MICRO is able to record alarms (e.g. over/underflow) and sends that alerts immediately. (Leaks, High and Low Flows, Tampering, Pressure level change, etc)

VERIBOX-MICRO can be used as a tool for settling usage disputes, demand studies, „real-time“ billing, network optimisation right-sizing meters/distribution infrastructure and more.

VERIBOX-MICRO has been proven in field to be a reliable product installed in thousands in locations

Interfaces:

- >> 2 digital inputs (pulse / switch)
e.g. for counting pulses/door-contact
- >> 2 analogue inputs (0/3-10V, 0-3V, 0-20mA)
e.g. for pressure / level -transmitters , Temp.sensors



Communications:

- >> 2G/3G/4G Mobile Engine
- >> GSM / SMS
clear text message or compressed
- >> GPRS / UMTS / LTE - TCP/IP
CSV Textfile
 - FTP - File Transfer Protocol
 - Email- Transfer
 - HTTP Stream
 - XML



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Power Supply Type (all types ATEX ExZone1 certified)



>> Li-Battery

Li-Single-Battery

(Battery-Lifetime approx. 3 years)

Li-8-Pack Battery

(Battery-Lifetime approx. 10+ years)

* assuming daily data-transmission

>> 230 VAC Netadapter

>> 24 VDC Netadapter

Areas of Application:

- >> Supervision of Tank Systems or Man-Holes
- >> LPG-Tank Supervision / Remote Reading
- >> Supervision of Water Networks
- >> High Level Tank Supervision
- >> Automatic Meter Reading / Remote Reading
- >> Remote Reading of Electronic Volume Correctors
- >> Process-/Pipeline Supervision
- >> Oil-/Gasrigs Supervision
- >> Building Material Silos Level-Supervision
- >> Humidity Supervision
- >> Irrigation Supervision / Control
- >> Railway Point Heating
- >> Artificial Snowing Stations Supervision
- >> Storage Tank Supervision



Other:

- >> IP-Protection:
IP 66
- >> Dimension:
approx. 130 x 94 x 57 mm
- >> Operable Temperature Range:
-25 bis + 60 °C
- >> Remote Configuration / Remote FW-Update
via SMS/GPRS/UMTS



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