



Mobile Metering Case

Mobile and versatile monitoring for various purposes

deZem Mobile Metering Cases allow a flexible and mobile data acquisition of any kind of measured values such as active power, flow rates, temperatures, vibrations etc. All Mobile Metering Cases are designed by deZem according to individual requirements and are ready for immediate use.

Areas of application

- Uncomplicated start into monitoring
- Temporary on-site measurements of any kind with real-time data via Internet
- Cost-effective long-term measurements without fixed installations
- Measurements at varying locations
- Room climate control, e.g. with radio sensors
- Versatile plant monitoring in industry
- Preliminary analyses for strategic planning with empirical data

Types of Mobile Metering Cases

The Mobile Metering Cases are modular and can be easily extended. For all versions there is a rental option in addition to the purchase option - for the rental period the software access to the analysis module deZemVis is already included.

Example Basic with iPCX

- Integration of various data sources and field buses such as Modbus (TCP/RTU), M-Bus (with integrated level converter for 60 standard loads), optional wireless M-Bus, BACnet and many more (s. also separate data sheet iPCX)
- Analog inputs 0-10 VDC (also for counting pulses) and 4-20 mA
- Ring buffer for 3 Mio data sets

- Data transmission encrypted and in real-time via GSM modem

Example for Ampere with iPCX + ZM8C

In addition to the basic metering case:

- 8 channels for the acquisition of effective currents
- Transformer sizes from 16 A to 500 A are freely configurable
- Standard plug connector for power supply

Example for Power with iPCX + ZM8C-P and/or ZM4R-H

In addition to the basic metering case:

- 8 inputs for clamp-on current transformers (16 A to 500 A rated current) freely configurable
- Alternative: 4 inputs for Rogowski coils (typ. 1000 A or 3000 A rated current)
- For recording active loads, power factors, mains frequency, effective voltages and currents
- By extensions, transformers and Rogowski coils can be combined for a total of up to 40 inputs
- Connection via a 5 pole 16 A CEE socket

Example Special solutions with Edge Device iPCR

- Data visualisation and analysis directly onboard (e.g. AI based vibration analysis) or in the cloud
- Limitless data interfaces OPC/UA, Ethernet/IP, S7/PLC and many more
- Implementation of special mobile solutions à la carte
- An iPCR is used instead of the central iPCX, s. separate data sheet iPCR

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Subject to technical modifications
Version 2.1, June 2020



deZem
sense | check | act

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