

## >> eco SMART Mobile

Energy management in industrial and commercial companies is a necessary condition for improving energy efficiency. On the way to implement a sustainable operation of complex energy management systems according to DIN EN ISO 50001 and DIN EN 16247-1, eco SMART Mobile is the ideal solution to more energy efficiency and energy cost transparency.

eco SMART Mobile stands for a high quality and standardized mobile deployable energy and process data-measurement kit. It was developed on the energy management software eco SMART monitor. It includes a robust case containing measurement systems of a leading German manufacturer of automation solutions.

eco SMART Mobile is ready to use, with its integrated communication unit that transmits the collected data reliably and securely to the eco SMART Mobile Portal.

eco SMART Mobile ensures a reliable and modern way of energy and process data collection and evaluation of machine consumption figures, facilities and equipment at all locations.

eco SMART Mobile is an unique complete package, that is able to show transparency for energy and process data within companies of any size: consistently, flexible and fast.



### eco SMART Mobile

#### Features

- suitable for all measurable types of energy
- plug and play setup
- GPRS data communications for 24 months, inside
- data logger with 1 Gbyte data storage
- energy portal for comprehensive evaluation of the measurement samples
- consistent reporting without media breaks
- multitenant

#### Application

- power curve analysis
- detection of potential energy savings
- own assessment of the situation in the power generation
- production process
- quality review of the Energy Consulting
- system check in maintenance

As at april 2014

**made  
in  
Germany**

excellence in energy solutions

**Arkadon**

## >> eco SMART Mobile -Measurement System



### Technical data:

#### Measuring inputs

- 8 x analog**

0-5 A AC	
frequency range	40 Hz bis 70 Hz
overload up to max.	6 A AC
nominal adjustment	150 mA bis 5 A
accuracy	0.25% of the nominal value
  
- 4 x analog**

4 bis 20 mA	
max. Voltage	max. 5,2 V
  
- 8 x digital Impuls**

0 bis 200 Hz scanning rate	
minimum voltage of the high-Pegels	24 V DC max.
voltage of the low Pegels	5 V DC
permissible voltage	0,5 V bis 30 V DC
admissible current at 24 V maximal	15 mA
  
- 1x serial**

RS 485	
EnOcean-Protocol	50 EnOcean Profile
simultaneous devices	max. 12

#### Power Supply

supply voltage	230 V AC
power consumption	max. 23 W

#### Operatoin Environment

opertaion temperature	10° C bis 40° C
store temperature	5° C bis 70° C

#### Housing

external dimensions (BxHxT)	50 cm x 40 cm x 18,5 cm
weight	9,5 kg

#### Communication/Security

APN VPN encryption  
 Wireless GSM / GPRS  
 Telefónica M2M Global SIM card  
 50 MB data plan / month  
 1 GB data logger

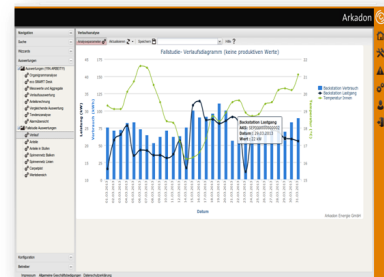
#### Equipment

1x IEC connection cable  
 1x Combination Lock  
 1x EnOcean Gateway including 10 m cable

#### Certification

CE

Subject to change



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