

ABSOLUTE-ENCODER-TECHNOLOGY

Ready for remote data readout

Going from door to door – doors which more often than not remain firmly closed simply because there is no-one at home – reading out meters that are hidden at the back of cellars, noting down the data and then moving on to the next door. That is state-of-the-art when it comes to reading out consumption data for various types of meters in private households. It's a cost-intensive method and one which is also prone to errors, so energy providers are constantly looking for ways to get around the problem.

With this in mind, the possibility, and necessity, of remote data readout for consumption meters in private households is growing more and more in importance. Until now, this was not possible because of legal restrictions and since the costs for the relevant infrastructure and hardware were relatively high, most providers have shunned away from it. A concrete legal framework is currently under negotiation but will still take some time before it comes into force. The availability and price of suitable systems, however, has fallen considerably on account of the large demand for such technology.

time of day is the most energy needed? When are the highest and lowest levels of consumption? Has the consumption increased compared to the previous month? Can we make use of any special, cheaper rates if the consumption pattern is changed? These are just some of the questions one asks oneself when considering energy efficiency.

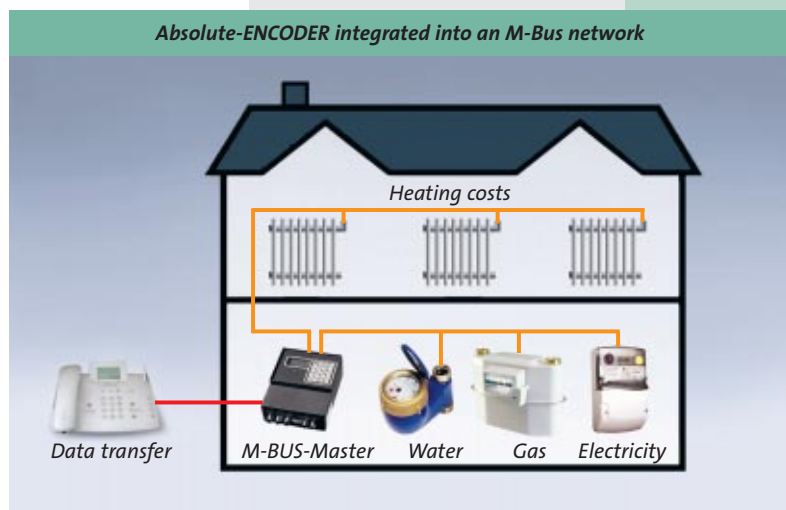
To find reasonable answers to these questions, it is absolutely essential that the consumption data is read out continually at regular, easy-to-handle intervals. This will also open up new alternative business fields where the new information concerning up-to-date consumption can play a leading role. In the case of new buildings, it is much cheaper and easier to install the necessary equipment for remote data readout. In order to read out the consumption data via an M-Bus network, it is only necessary to install a few additional cables. The installation of the Absolute-ENCODER technology is also incredibly simple. Programmed ex-works, the meter can be integrated into the M-Bus network via a simple two-wire cable connection – Plug and Play, as they say.

For the remote data readout of existing meters on a radio basis, there are a number of solutions available. The Absolute-ENCODER is also suitable for these systems, where it can really display all of its benefits: parameterisation on site is not necessary, no battery change in the index, no incremental reconstruction of meter readings. After the very first readout, the quality and reliability of the Absolute-ENCODER technology is quite apparent to everyone and it's already paid for itself.

It's not yet quite clear what the general legal conditions will look like. What is clear is that today's technology will not fulfil the requirements of the future. That's where our Absolute-ENCODER comes in. It's the technology of today and, because it has a variety of different interfaces and because it can easily be integrated into radio systems, it is also the technology of the future.

We would be pleased to give you any advice concerning remote data readout, no matter what media is involved. Why not give us a call: Carsten Lorenz. Tel: +49 (0) 541 / 1214-327

Absolute-ENCODER integrated into an M-Bus network



Nevertheless, where will this road lead us? What is the future, what lies ahead? One thing is for sure: the amount of data as well as the quality and the frequency of the data which have to be provided to end-users in the future will be greater than it is today. Energy is a scarce resource, and any help the end-user can get to manage this resource sensibly and efficiently will be very welcome, especially when it comes to estimating and adjusting consumption patterns. At what

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