

Press Release September 2009

Danish Electricity Saving Trust (DEST) gives the Seal of Approval to the New Residential Smart Meter from Kamstrup

A particularly low power consumption and the support of "the Intelligent Home" are the main reasons that DEST awards the Energy Saving Label to the new electricity meter from Kamstrup.

The electricity meter is being globally launched under the name The Green Difference as breakthrough energy saving technology has been applied, resulting in a minimal power consumption of only 0.2Watt per phase.

"Most people are not aware that an electricity meter itself consumes energy", says product manager, Steen Pultz Holm. "But we have been able to take advantage of many years experience with battery driven products, namely the Kamstrup heat meters, in which low energy technology is a requirement."

Kamstrup consequently chooses energy saving technology where possible. The idea of imposing demands on utilities and consumers in relation to energy savings is being watered down, if the suppliers of electricity meters fail to take their share of the responsibility and deliver an energy efficient product.

For the utility with several thousand residential meters installed, the power savings with the new electricity meter are significant. For the sake of comparison, a standard mechanical meter typically uses ten times as much power.

Additional functions normally ensue larger energy consumption, but this product is an exception. The Kamstrup electricity meter has an extremely low power consumption and still contains intelligent functions as wireless communication and load profile generation.

The modern residential meter shall not only provide data for billing of consumption. The meter is also a tool for increasing energy awareness in the consumer by means of digital information technology as for instance Z-Wave.

Through the integrated Z-Wave module consumption data can be sent wirelessly to a PC or a display, thereby making the electricity consumption clear and visible. This means that the meter is not only the energy supply company's tool for billing, but also the energy efficient consumer's means of watching her consumption.

With the implementation of Z-Wave technology the Kamstrup meter supports the MyHome concept of DEST.

Kamstrup is member of the Z-Wave Alliance – an open consortium of over 160 manufacturers who create products and services based on Z-Wave, the standard in wireless control. Z-Wave is used for home automation of electrical appliances with the purpose of securing a high energy efficiency. More than 300 products have implemented Z-Wave.

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The Danish Electricity Saving Trust is an independent trust under the auspices of the Danish Ministry of Climate and Energy. The Trust works to promote energy savings and a more efficient use of electricity.

'The Green Difference' is so far the only electricity meter which has been awarded with the Energy Saving Label.

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