
metering days, 23 – 24 october 2018

EMH metering develops an efficient metering solution for the rollout of intelligent measuring systems

The modern “mMe4.0” measuring device reduces the costs for customer service and installation in rollouts / cost efficient production processes based on Industry 4.0 / high quality standards

Gallin, 14 August 2018. EMH metering GmbH has developed a particularly efficient version of a “modern measuring device” (mMe). With the “mMe4.0” (pronounced simply “me”), meter operators can significantly reduce the costs for rolling out intelligent metering systems. In order to financially optimise rollouts of intelligent metering systems, EMH metering relies on interoperable standards, automated ordering and production processes, high quality specifications and new approaches to hardware design. In this way the life cycle costs such as for installation and end customer support are lowered. In addition, EMH metering uses on the most sustainable production methods in its modern measuring systems. The “mMe4.0” meets all legal requirements for the rollout of intelligent metering systems. EMH metering presents the “mMe4.0.” for the first time at the Fulda metering days (23 – 24 October 2018).

“The rollout of the modern metering systems is a major economic challenge for metering point operators,” comments Peter Heuell, Managing Director of EMH metering GmbH. “We have made every effort to provide our customers with a device that reduces costs as much as possible without sacrificing quality and using sustainable and fair production methods.” A critical factor in device efficiency is interoperability. Therefore, the “mMe4.0” basically fulfils the specifications for the FNN base meter. The methods for operating and reading of the two meter types are identical. Measuring point operators enable a particularly streamlined end customer support. The interoperable counter design also reduces the time and effort required for assembly and incoming goods inspection. The hardware has also been designed to simplify the installation process: Instead of using the otherwise normal screws, “mme4.0” is “clamped” onto the measuring point with a terminal cover.

EMH metering completely manufactures “mMe4.0” at the company’s production facility in Gallin in Mecklenburg-Vorpommern. To reduce manufacturing costs, the company has invested in new production processes using Industry 4.0 processes. These have greatly accelerated production and delivery. This also creates the conditions for EMH metering to provide its meters with the customer’s logo or company name at no extra cost. Such branding plays an increasingly important role in the competition at the measuring point.

“Made in Germany” production enables the adherence to the company’s own quality standards and design guidelines. These are based on 25 years of experience in meter development. By limiting it to just a few components, the “mMe4.0” is extremely durable and reliable. The great production depth also makes it possible to meet requirements for fair working conditions and sustainable production. For example, EMH uses metering for the production of “mMe4.0” power from its own PV system.

In contrast to an FNN basic meter, the “mMe4.0” does not contain an integrated communication module for the connection of the smart meter gateway. This makes the devices slimmer and more economical to manufacture. If “mme4.0” is nevertheless to be expanded to create an intelligent measurement system, it can be supplemented by an optical communication head (OKK-BKE) and the “ZSM-ED” adapter both from EMH. This supports the connection of the smart meter gateway. By the year 2032, all consumers with annual electricity consumption of below 6,000 kWh must be equipped with a modern measuring system. This is prescribed by the “Digitisation of Transition to Renewable Energy Act” (GDEW).

The “metering days” event is the information platform for solutions for the digitisation of the changeover to renewable energy sources. The event is organised by the Central Electrical Engineering and Electronics Industry Association (ZVEI e.V.): <https://zvei-services.de/zvei-akademie/metering-days-2018/>

About EMH GmbH & Co. KG

EMH metering GmbH & Co. KG is one of the world's leading suppliers of digital systems for the collection, transmission, storage and distribution of energy measurement data. With intelligent and integrated measuring systems, EMH metering enables energy companies to digitise their energy systems and develop new business models. The product range comprises precision meters in the extra-high voltage and transmission networks, special meters for medium and low voltage distribution networks, electronic domestic supply meters, DIN rail meters for industrial applications as well as the corresponding communication systems and gateways. For the upcoming smart meter rollout in Germany, EMH metering is offering the necessary products and components that comply with legal requirements. EMH metering was founded in 1991 and has its headquarters in Gallin, near Hamburg. More than 250 employees work at a total of three locations. www.emh-metering.de

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