FOR TURBINE AND ROTARY METERS:

Yet another newcomer!

ELSTER Encoder index with a new design

The advantages of using the ELSTER Encoder index to provide an error-free gas meter reading are already well known. With the help of the Encoder index it is possible to avoid discrepancies between the meter readings on the meter itself and those in any add-on devices down the line. This means that a time-consuming manual check for any discrepancies between the devices, which can really only be done by a direct comparison on site, is no longer necessary. The original meter reading on the gas meter can be fully automatically transferred to the final bill.

Fig 1: New Encoder index on an RVG

Fig. 2: Connecting plugs: top for Encoder, bottom for pulser

Further advantages of the ELSTER Encoder index can be found in the combination of the reliable mechanical roller counter with an opto-electronic scanner. These advantages include the following:

- no battery, no battery change, no limited operational life, no follow-up costs
- it can be used as the main index on the gas meter

The above-mentioned advantages can be fully exploited in our directly integrated version, which is available for turbine and rotary meters. In these cases, a newly-designed housing for the Encoder index is used and this enables the use of the mechanical transmission components from the S1 index (magnetic coupling, pressure plate and cog wheels).

Fig. 3: S1 index

The new integrated Encoder index can also be retrofitted onto meters with the standard S1 index (starting from 1998 models).

For older models of ELSTER turbine and rotary meters, the old version of the housing is available for retrofitting. ELSTER meters with a Version I index (starting from 1990 models) can be retrofitted with an integrated Encoder (old housing).

Fig. 4: Integrated Encoder in version I index

Fig. 5: Encoder attachment for version II index

For any meters which were built before 1990, it is necessary to carry out a detailed inspection of the meter to see if a remodelling is possible.

Gas meters of any make which are equipped with a mechanical instrument drive in accordance to European Standards can also be fitted with an additional ELSTER Encoder index. By using an additional index fixed with a rigid mechanical coupling to the main index it is possible to avoid any discrepancies in the readings. The two indices automatically run synchronously. The Encoder index is the "transmitter device for the meter readings" and, therefore, supplies the reading for the actual volume. If required, the index can be set to correspond to the index of the gas meter. The general advantages outlined above are also guaranteed in the case of this variation.

Whether it is an integral part of the gas meter or an additional index for a gas meter with a mechanical instrument drive, the ELSTER Encoder index has become very popular with users. In connection with the EK260 volume correctors or the gas-net flow computer series from FLOW COMP, there is a noticeable improvement in the quality of the data in the chain between the meter and the billing process.

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