

## New index head MI-2 for turbine and rotary gas meters

# The best of two product ranges

Even if a product has successfully maintained its position on the market for many years, there are still thoroughly good reasons for putting it to the test from time to time. Thus, frequent demands for an index with mechanical drive for turbine and rotary gas meters in series TRZ, SM-RI, IRM and RVG set a new challenge for our development departments. The result is no mean feat. The new index head MI-2 (Multi-Index 2) will be available as of 2008 in a standard design.



Free shaft at the top – read off from the slanted index

After the ENCODER S1, the new index head MI-2 is a further step towards utilising and offering similar functions for the entire product range. Experience and technology from two different index ranges have produced an index design that combines thousandfold tried and tested products selected from two product families.

The result is a new index head which can be assembled on all current and many older turbine and rotary gas meters thanks to its universal interface and adaptation options.

The product combination is instantly recognisable just from the external design. While the housing geometry is designed to match the MI1 multi-index design, the existing connection for low-frequency pulse generators of the S1 series can be found on the side of the head. This means that customers have the advantage of a pulse generator which can be replaced from the outside and which can be retrofitted or converted at any time.

For this, existing options of reed switches or Wiegand sensors with cable or plug are available for selection.

The housing is made of robust die-cast aluminium and is protected against all influences when installing outdoors thanks to extensive surface treatment. Time-tested parts from our wide range of products can be found inside, thereby guaranteeing quick availability and easy changing. The large viewing windows made of impact-resistant and UV-resistant plastic ensure that the digit rollers can be read off easily and in addition, protect the meter data given on the type label.



Index which can be read off from above

The familiar free shaft option will also be available here. The interface used complies with the requirements of EN 12261 and EN 12480. The mechanical transmission transfers the torque of the magnetic coupling both to the mechanical roller index and the free shaft. One revolution of the shaft thereby corresponds to one revolution of the last digit roller of the index. Thanks to simple adjustments inside the head, the direction of rotation of the free shaft can be changed between clockwise and anti-clockwise. This is a simple operation, as neither additional nor replacement parts are necessary.

Volume correctors and data loggers can be installed on the head, depending on the installation conditions.

For the time being, the head will be available in three versions. It therefore offers diverse installation possibilities:

- Metal housing with mechanical index which can be read off at an angle
- Metal housing with mechanical index which can be read off from above
- Metal housing with free shaft at the top and mechanical index which can be read off at an angle

Mechanical index – read off from the slanted index head



Overview of the most important existing features:

- Metal housing
- Free shaft (optional)
- Index head platform S1
- Pulse generator of the INS series
- Volume corrector attachment

Further options are in preparation and we will inform you of these in due time.

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