



# Encoder CWSL

for Rotary Gas Meters,  
Turbine Gas Meters,  
and Quantometers

The Encoder CWSL is a small battery powered device for mechanical index heads with mechanical output for turbine and rotary gas meters as well as quantometers which extends the functionality by a digital counter and the transmission of the meter readings to an external device. Owing to that, a remote and unlimited access to an existing volume counter reading is possible. Furthermore, if this device co-operates with volume corrector i.e. CMK-03, remote comparing the readouts of counter, gasmeter and corrector is possible.

Gas volume indication and other information like the current flow are shown periodically on the LCG display, whereas the state operations is indicated by icons.

The device is available in 3 versions depending on respective joint interface:

Encoder CWSL-N ; encoder output; digital transmission; interface Namur

Encoder CWSL-M ; interface M-Bus – according to EN 13757-2

Encoder CWSL-A ; current output: 4-20mA.

The encoder is designed as a spark protected device and may be applied in the 1st explosive hazard zone. The encoder is equipped with optical interface according to IEC 62056-21 for servicing and configuring purposes. Special configuring software is supplied together with the encoder.

#### Particular features:

- Absolute volume counting as per gas meter counter
- Permanent remote digital access to gas meter counter reading
- Compatibility with gas meters of Common and other suppliers with mechanical output
- Easy and quick installation
- LC Display: volume, current flow, alarms
- Power supply: lithium battery AA – 7 years operation time
- Standardized transmission interfaces:
  - Encoder output (interface NAMUR)
  - Interface M-Bus
  - Current output 4-20 mA
  - Optical interface (equipment according to IEC 62056-21)
- Easy operation and communication i.e. through COGUSB-03
- User-friendly configuration software on PC
- 2- level protection for configuration / calibration; password and lead sealed change-over switch
- Robust aluminium housing with housing protection class IP66/67



Application:

Rotary Gas Meters, Turbine Gas Meters and Quantometers supplied by Common.  
Encoder CWSL installed directly on index.



CGR with CWSL encoder



CGT with CWSL encoder



CPT with CWSL encoder

Other suppliers devices with mechanical output according to EN12480:2002 or EN12261:2002.  
Encoder installed through special adapters.



Encoder CWSL  
with straight adapter



Encoder CWSL  
with angular adapter

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