

# DATA LOGGER

# PRILOG 400

Data logger with flexible archive structure. The device provides all functionalities and has all relevant approvals which a data logger for gas metering stations must have. This includes interfaces and a built-in modem.



# METHOD OF OPERATION AND CONSTRUCTION

## Efficient through Experience, reliable in performance

Experience makes RMG one of the leading providers of natural gas measurement equipment. This is also shown with Prilog 400 - a reliable solution for data logging. With its competitive price and low overall operating cost the device is perfectly tailored to meet the demands of the natural gas industry: Trust in reliability and precision.

## Application

The Prilog 400 data logger is a compact and robust device specifically developed for the natural gas market and for industrial usage. It allows gas network operators and their customers to store a wide range of meter readings, measured values and events as well as to read out all these data via standard communication protocols.

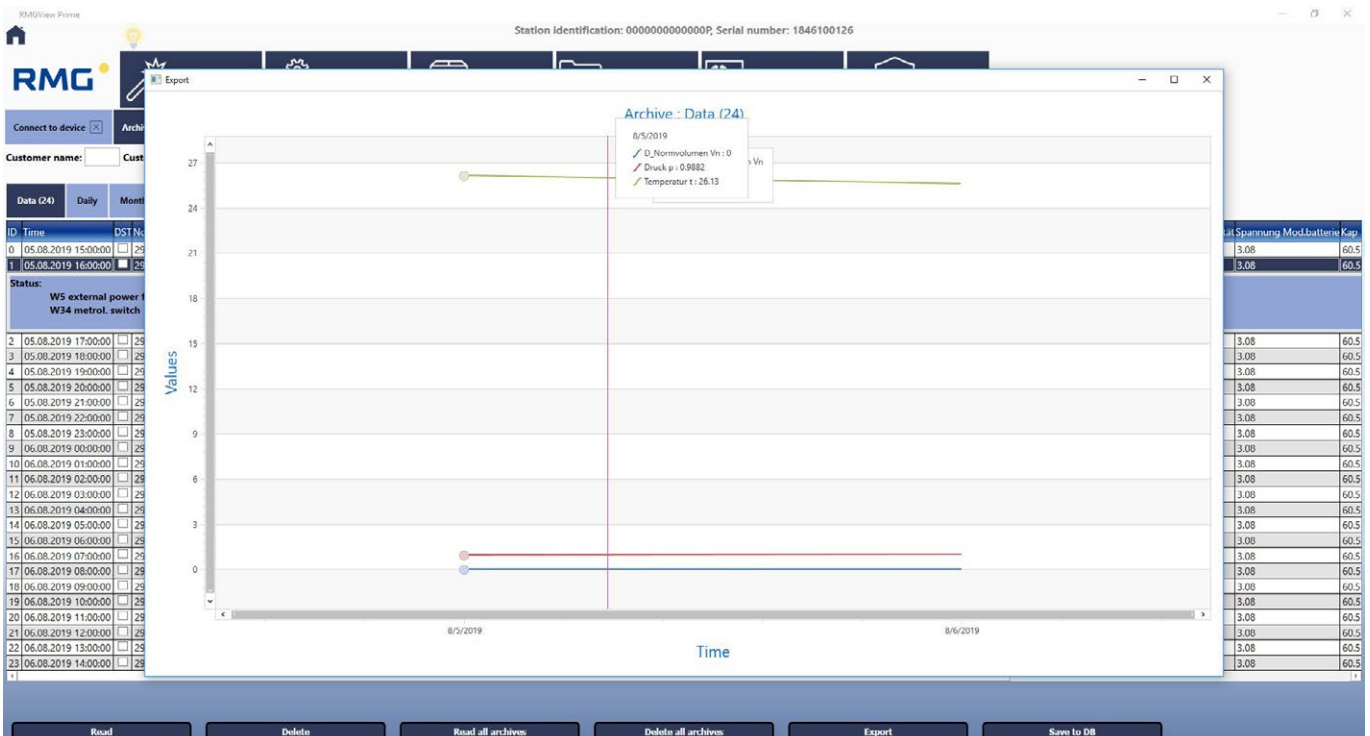
As a completely modular solution, the Prilog 400 is a (soon available) MessEG-approved data logger which can be used as a stand-alone system or mounted onto a gas meter. In addition, the Prilog 400 allows remote reading via GSM / GPRS / LTE connection by a integrated modular modem. Parallel to the technical functionalities the data logger offers a very competitive price and a low operating cost.

## Operation

The configuration data, archive entries, measured and calculated values as well as the messages in case of events can be read on the LCD display panel. The navigation in the data using the 6 button keyboard is menu-driven and is largely possible without the help of the manual. Parameter changes are also possible via the control buttons.

The operation is even easier and much more comfortable with the included readout, parameterization and visualization program RMGView<sup>Prime</sup>. The program can be used both locally and in the control center.

This intuitive Windows®-based software for data processing, graphical visualization, device settings and data export enables an easy commissioning and installation of the device.



# FEATURES AND TECHNICAL DATA

| Technical Data             |   |  |                           |
|----------------------------|---|--|---------------------------|
| Dimensions                 | 263 x 201 x 111 mm  |  |                           |
| Housing                    | Glass fiber polycarbonate   |  |                           |
| Weight                     | 2.2 kg  |  |                           |
| Protection class           | IP66  |  |                           |
| Display                    | Graphic LCD display with backlight, 128 x 64 pixels   |  |                           |
| Ambient temperature        | -25°C to +70°C  |  |                           |
| Software solutions         | RMGView <sup>Prime</sup> for parameterization of Prilog 400<br>WICO 22 for remote reading<br>Drivers: GAS-X, Görlitz (Fröschl, Kisters in preparation)<br>Support of other software producers on request  |  |                           |
| Supply options             | Zone 0:   | Zone 1:                                    | Zone 2:                   |
| - CPU:                     | Battery, 5 V  | Battery, 5 V                               | Battery, 5 V, 24 V, 230 V |
| - Modem:                   | Battery   | Battery, 5 V                               | Battery, 5 V, 24 V, 230 V |
| Supply modules             | Standard: module for basic device with lithium battery - up to 15 years lifetime<br>With built-in modem with additional battery module (not with 24 / 230 V supply)<br><br>External supply (optional):<br>Zone 2: 230 V or 24 V (module integrated)<br>Zone 0 & 1: 12 V (with external PS-E module, In: 12 V, Out: 5 V) |  |                           |
| Inputs                     | 8 digital inputs:<br>- 2x HF / encoder<br>- 6x LF / binary<br>Up to 6 analog inputs (optional)  |  |                           |
| Outputs                    | Up to 4 digital outputs (LF or binary)<br>Up to 4 analog outputs (optional)   |  |                           |
| Encoder                    | Namur<br>SCR+   |  |                           |
| Interfaces                 | 1 optical interface: 9.6 - 38.4 KBit/s<br>2x RS-232 / RS-485: 9.6 - 57.6 KBit/s<br>Internal Modem   |  |                           |
| Modem                      | GSM/GPRS<br>LTE Cat1  |  |                           |
| ATEX approval              | Ready for use in Zone 0, 1 and 2  |  |                           |
| Storage depth              | Number of entries:  |  |                           |
| - Periodical archive       | 112000  | Period adjustable from 1s to 1h (standard) |                           |
| - Daily archive            | 5000  |  |                           |
| - Monthly archive          | 1900  |  |                           |
| - Binary archive           | 9360  |  |                           |
| - Event archive            | 6300  |  |                           |
| - Gas quality archive      | 2340  |  |                           |
| - Parameter change logbook | 1000  |  |                           |



ONE STEP AHEAD

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**RMG Messtechnik GmbH**

Otto-Hahn-Straße 5  
35510 Butzbach  
Germany

Tel. +49 (0) 6033 897-0  
Fax: +49 (0)6033 897-130  
Mail [info@rmg.com](mailto:info@rmg.com)

[www.rmg.com](http://www.rmg.com)

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