

SYSTEM (n) – CONNECTED ITEMS OR DEVICES THAT OPERATE TOGETHER

(CAMBRIDGE DICTIONARY OF AMERICAN ENGLISH; AS APPLIED BY FLOW COMP)

System components in a team

It goes without saying that our devices measure and correct the volume of natural gas and that the billing-relevant data is stored in the same gas-net device. Of course, this data can be called up at any time, either locally or remotely. Even the remote control of a gas-net device via a PC or a telephone connection is nowadays completely normal.

*gas-net monitoring device
in action*



But isn't there more? What we require of a measuring system is that it singlehandedly offers solutions to cover all of the requirements in the field of natural gas metering. To do this, we have the product family comprising several gas-net devices which focus on different tasks and which are all perfectly tuned to each other. Here are some examples of the tasks they perform and how they manage to fulfil your requirements.

"I've had enough of cable confusion and would like to connect telecontrol technology."

Nowadays, telecontrol units and SCADA systems generally have digital interfaces for simple process data protocols such as Modbus or RK512. However, the communication between gas metering devices in gas measuring and regulating stations is often realised by using a data bus with a special digital data protocol. Use a gas-net C1 in order to export all of the important data from all of the devices connected to the internal data bus. Have you ever thought how many input/output boards and terminals, or how much wiring and documentation for the switch cabinet you would save by doing so, not to mention how many potential errors you could avoid? And have you ever thought how easy it is to extend the number of devices at a later date?

"I would like to monitor the flow computers automatically as effectively and easily as possible."

What about the gas-net M1 monitoring system? With an additional pressure and temperature sensor and a pulse signal from the gas meter the M1 calculates the corrected volume just as accurately as the gas-net F1 flow computer. Over and above that, it constantly compares its corrected volume with that of the flow computer. If the volumes differ too much, the device issues a warning so that you can react much faster than if you were to wait for the next audit. The M1 can also monitor further signals (shut-off valve, door contact...) and measurements, store metering data and pulses in its process data archives (replaces recording instruments) etc. etc.. What's more, it comes standard with the standard internal data interface. Just connect to the existing bus and you're ready.

„I would like the system to inform me immediately if there is anything wrong, no matter where I am."

Why not try the GAS-WORKS error warning system GW-MESSAGE+? This is how it works: Let's imagine a gas-net F1 or an M1 wants to inform you about something. The gas-net device uses a remote data transmission unit (there must be one somewhere



on the data bus) to call the error warning system GW-MESSAGE+, which is installed on one of your PCs. This program then checks who is to be informed about the error – probably yourself – and how you can be reached (depending on what time of day or night it is), whether by SMS, e-mail, Fax, pager or whatever. With this method you receive the information as fast as possible and can then react accordingly.

No more cable confusion – a job for the gas-net C1 Gateway

We can also react quickly – and we look forward to helping you to solve your problems.

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