

BIOMETHANE AND ITS FEED IN THE NATURAL GAS NETWORK

Task

The treatment of biogas produces a gas with a high percentage of methane (biomethane). Quite different methods are used for this, which are all based on the separation of methane and carbon dioxide. This separation process as well as the end product must be monitored to enable infeed in the natural gas network according to the network specification.

Solution

UNION Instruments offers an optimally equipped version of its modular INCA gas analyzer as a solution for this. This determines the content of methane, carbon dioxide, hydrogen sulfide, and oxygen. The measured values serve as a control variable for the treatment process. INCA uses a special measuring technique to measure the gas components relevant to the process over broad spectral ranges at very high accuracy.



User Benefit

The composition of the biomethane must comply with the specifications of the natural gas network operator for feed in the network. The use of INCA assures the operating conditions of the processing plant and thus protects the operator from problems and financial risks with regard to feed of the biomethane in the natural gas network (or when used in another way).

