

MEDIA RELEASE

PRODUCT NEWS

KELLER 10LXiic-GM – Compact pressure transmitter capsules for use in gas volume correctors

With the new 10LXiic-GM, KELLER Pressure is introducing a pressure transmitter capsule developed specially for gas meter applications. It combines maximum accuracy with a compact design and is ideal for use in smart gas meters or electronic volume correctors (EVC).



The sensor communicates via an I2C interface, which boasts low power consumption and easy integration into existing systems. The KELLER 10LXiic-GM therefore meets the typical requirements for battery-operated smart meter applications.

A further decisive factor for the gas meter market is that the KELLER 10LXiic-GM is specified as type 2 by %RDG (%Reading = total error proportional to the current measured value) according to EN 12405. The requirements of this standard ensure that the measurement accuracy is precisely adapted to the needs of gas meters and volume converters.

The piezoresistive measurement technology ensures exact recording of even the smallest pressure differences – a basic requirement for reliable measurement and calculation of gas volumes. Its optimised design means that the sensor is easy to integrate into existing meter designs, thereby enabling efficient upgrading of traditional gas meters to smart meter standard.

The combination of high long-term stability, low current consumption and robust housing make the 10LXiic-GM a future-proof key component in gas measurement technology.

KELLER 10LXiic-GM offers:

- Piezoresistive sensor technology for precise pressure measurements
- I2C interface
- Compact design for easy integration into gas meters and gas volume correctors
- High long-term stability and low energy consumption, ideal for battery-operated systems

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Sources

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Image 1, KELLER 10LXiic-GM pressure transmitter capsule © KELLER Pressure