

New

Model PGW23.100



Bourdon tube pressure gauge with wireless output signal Model PGW23.100

The PGW23.100 is an IIoT-compatible measuring instrument which combines the advantages of a mechanical on-site display with web-based remote monitoring. The all welded and robust Bourdon tube measuring system produces a pointer rotation proportional to the pressure. The measuring electronics convert the pointer rotation into an electronic signal, which is further transmitted via the radio module and the antenna. Battery-operated radio transmission via LoRaWAN® is based on LPWAN technology (low-power wide-area network) to enable large transmission ranges and long battery life.

The transmission of the measured pressure values to the IIoT infrastructure is carried out at a preset sending interval. PGW23.100 is available as part of an IIoT complete solution from WIKA, which enables to achieve operational efficiency and significant operational cost reductions instantly!

The IIoT-capable pressure gauge fulfils all safety-related requirements of the relevant standards and regulations for the on-site display of the working pressure of pressure vessels, as well as the requirements of the radio equipment directive for data communication.

Highlights

Web-based IIoT platform from WIKA:

Remote monitoring of the process pressure

Savings:

Time saving
Cost saving

Big data analysis:

Condition-based and preventive maintenance

Transmission range:

Up to 10 km

Battery life:

5 years typical

IIoT:

IIoT-capable measuring instrument with energy self-sufficient, mechanical on-site display

LoRaWAN® radio transmission:
Based on LPWAN technology

Configurability:

Measuring and sending intervals as well as alarm messages are configurable

Edge computing:

Alarm management

Further information can be found on our product page:

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