

FIBRO WIRELESS PRESSURE MONITORING 2.1

WIRELESS MONITORING OF GAS SPRINGS VIA BLUETOOTH LE 4.0



WPM 2.1 **INDUSTRY 4.0 AT THE HIGHEST LEVEL**

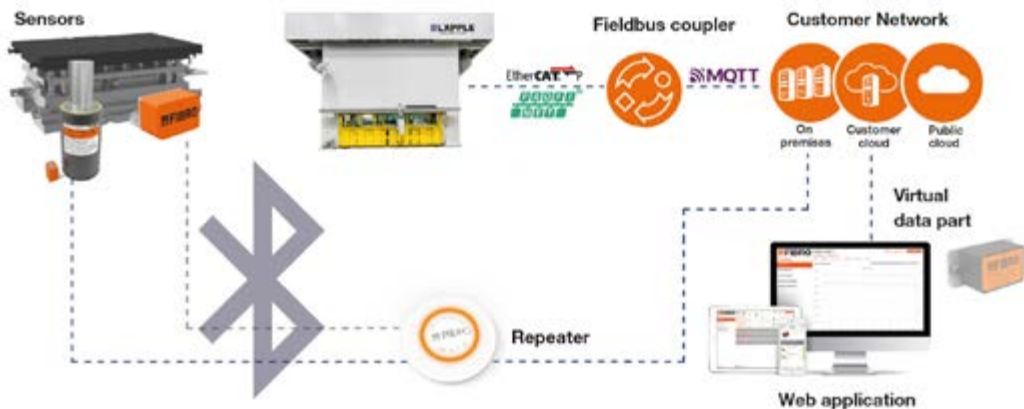
MONITORING OF TOOLS IS A CROSS-INDUSTRY CENTRAL TOPIC IN PRODUCTION. WITH THE NEW, PATENTED WIRELESS PRESSURE MONITORING 2.1 (WPM 2.1), FIBRO STANDARD PARTS OFFERS A SOLUTION THAT MEETS ALL REQUIREMENTS OF INDUSTRY 4.0.

Just as the predecessor, the WPM 2.1 offers wireless monitoring of the pressure and temperature of your installed FIBRO gas springs. Sensors in the tool collect the data and forward it wireless, and a specially developed software analyzes it and initiates corresponding measures.

The re-developed version 2.1 now offers additional features that will take your production a big step closer to **Industry 4.0**:

The **server-based solution** makes it possible to monitor **multiple tools at the same time** – even across locations and areas. The Bluetooth range is therefore no longer a limiting component. The data part is no longer mandatory, and tool data can now also be managed virtually in a cloud.

Installing the Cloud on your internal company server reliably implements the absolute **security of your sensible data**.



Most accurate analyses of collected data allow an even more precise process control and an optimized preventive maintenance.

The future performance of the system can be enhanced by the option to add **modular extensions** with additional sensors.

An easy and intuitively user interface simplifies the operation, configuration and maintenance of the system and thereby helps prevent errors.

Additional functions such as the **assignment of specific gas springs** for simplified display of obtained values make the system even more user-friendly. The ordering of spare parts is thereby also possible automatically via our online store.

WPM 2.1

YOUR ADDED VALUES

INCREASED PRODUCTIVITY & QUALITY



Central cross-division and cross-site management and monitoring of your tools for higher efficiency and quality from configuration to predictive maintenance.

IMPROVED FLEXIBILITY

Compatibility with different platforms gives you access regardless of the operating system – no matter where you are.

CUSTOMER- SPECIFIC

Different combinations of the components permit the optimal adaptation to your requirements – you only pay for what you actually need.

AT A GLANCE THE NEW FEATURES

WPM-CLOUD

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With the WPM Cloud, you can manage and control your tools equipped with the WPM system centrally and across locations. Installed on your server, the WPM Cloud application offers a wide range of options for increasing efficiency and quality in your production – and all this with absolute data security. It can be used to create different plants or even different production areas such as in a press shop, maintenance workshop, warehouse or tool shop. Each plant or production area can be assigned to a WPM repeater. This allows you to combine large areas for which the Bluetooth range of a single device would not be sufficient – regardless of the geographical location or production site. In addition, the cloud solution can provide better performance and offers a larger data storage.

The WPM Cloud software is offered on a licence model. This allows for optimal tailoring to your monitoring requirements.

FIELDBUS COUPLER

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The fieldbus coupler acts as an interface between the WPM cloud software and the system control of a power press or press line. It translates the MQTT protocol into an EtherCat or ProfiNet protocol and thus enables error-free communication within your systems.

WPM REPEATER

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The FIBRO WPM repeater receives the data from the sensors and passes it on to the WPM cloud software. It establishes communication in all areas where you want to monitor your tools.

It is a Bluetooth Low Energy (BLE)-to-Wi-Fi connector that collects the data of the WPM sensors. This data is then sent via MQTT protocol via WiFi or Ethernet to the installed WPM software on a local server or a remote Cloud server. A colored light ring on the upper side serves as status display and visualizes the functional readiness easy for you to recognize.

WE LOVE TECHNOLOGY



cesehsa.com.mx
info@cesehsa.com.mx

DO YOU WANT MORE INFORMATION ABOUT THE WPM?



Then take a look on our website:
You will find comprehensive information and details.

FIBRO GMBH

Business Unit Normalien
August-Läpple-Weg
74855 Hassmersheim
GERMANY
T +49 6266 73-0
info@fibro.de
www.fibro.com

THE LÄPPLE GROUP

LÄPPLE AUTOMOTIVE
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