

PRESS INFORMATION

Reliable and intuitive: OPEX digital torque wrench from Bosch Rexroth

Manuela Kessler | 04.10.2022 | Lohr am Main / Germany | PI 050/22



Particularly economical: the OPEX digital torque wrench from Bosch Rexroth powered by GWK. (Image source: Bosch Rexroth AG)

With the OPEX digital torque wrench, Bosch Rexroth has added a particularly economical new product to its existing range of tightening solutions. With the new solution, both the torque and the angle of rotation can be measured. It covers a range of torques from 3 to 800 Nm and transfers the tightening results to any IT systems with no need for additional control. The torque tools set new standards when it comes to accuracy and allow fatigue-free work thanks to their ergonomic design.

OPEX torque tools identify themselves in networks via the embedded WiFi module. When a tool in an assembly line is changed, the module can simply be plugged into the new screwdriver. The supplied software allows parameterization via a hotspot, the customer network or a serial interface. The intelligent OPEX transmits the tightening results with a tightening curve as well as maximum torque and angle of rotation directly to any of the user's IT systems without additional control. To make this possible, OPEX supports popular protocols such as OpenProtocol, IPM or XML. A standard 21700 lithium-ion rechargeable cell which is available throughout the world supplies the power.

Thanks to an optical aiming device, the camera-based scanner of the ergonomically optimized torque and angle-controlled wrench allows barcodes and QR codes to be read in and transferred to higher-level systems quickly and correctly.

An LED display ring on the handle is visible from all directions and shows the tightening process and the tightening result. A vibration module providing touch confirmation is optionally available. The color display allows the torque and angle-controlled wrench to be operated intuitively. The tool housing is made of a robust titanium-aluminum alloy with an anti-slip handle cover.

Basic Information Bosch Rexroth

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent components,

PRESS INFORMATION

customized system solutions and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, more than 31,000 associates generated sales revenue of around 6.2 billion euros in 2021.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,600 associates worldwide (as of December 31, 2021). The company generated sales of 78.7 billion euros in 2021. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in some 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than 400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company's future growth is its innovative strength. At 128 locations across the globe, Bosch employs some 76,100 associates in research and development, of which more than 38,000 are software engineers.

Press Contact

Please get in touch with our Press Contact



Manuela Kessler

Spokesperson

technology topics

+49 9352 184145

Manuela.Kessler@boschrexroth.de