

Press release

Press contact:

WIKA Alexander Wiegand SE & Co. KG
André Habel Nunes
Public Relations Manager
Alexander-Wiegand-Straße 30
63911 Klingenberg/Germany

Tel. +49 9372 132-8010
andre.habel-nunes@wika.com
www.wika.de

FRKPS chain hoist test set from WIKA with new hand-held indicator

Testing of electrical overload protection systems and friction clutches

Klingenberg, May 2026. WIKA has relaunched its FRKPS chain hoist test set. This instrument enables measurement of force on friction clutches and electrical overload protection systems in industrial environments. It includes a force transducer with chain adapters and an easy-to-use indication unit in a new, modern design. To test a chain hoist, users hook the force transducer with the appropriate adapters into the chain. The transducer is then pulled upwards with the chain against the bottom of the chain hoist, where it blocks the chain and triggers the friction clutch or overload protection. Users can read the force at which the chain was blocked directly on the indication instrument. If required, the measured values can also be stored and transmitted to the WIKA software included in the scope of delivery. Users can then create an automatically generated test log on the PC. Thereby the annual inspection required by the EU Machinery Directive (to be replaced by the EU Machinery Regulation from January 2027) can be carried out easily and without the need for test weights.

The FRKPS can be used for load ranges of 40 ... 3,500 kg and measures with a high accuracy of $< \pm 0.5\%$. The force transducer is designed as a shear load cell providing the greatest possible insensitivity to parasitic forces and moments. It transmits the course of the measured values to the battery-operated hand-held indicator via a cable. The indicator is characterised by intuitive operation, a high sampling rate, 13 hours of battery runtime and a memory of 30 x 1,000,000 measuring points.

Thanks to centring sleeves in several sizes and chain adapters for chain sizes ranging from 3 x 9 ... 11 x 31 mm per DIN ISO 606, the FRKPS is highly versatile. The set is delivered in a modern transport case.

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Graphical material:



The FRKPS chain hoist test set with an easy-to-use hand-held indicator. (Image source: WIKA)



The FRKPS is delivered in a handy case. (Image source: WIKA)

About WIKA

The WIKA Group is a global market leader in pressure and temperature measurement. The company also sets the standard in the measurement of level, force and flow, and in calibration technology. The broad portfolio of high-precision instruments, IIoT solutions and comprehensive services makes WIKA a strong and reliable partner for all the requirements of industrial measurement technology. The family-run business, founded in 1946, has a global presence with 11,000 employees. This includes our own subsidiaries, production sites and development departments, such as the Innovation Center in Klingenberg. There alone, over 100 engineers work on smart sensing solutions that provide answers to global challenges. WIKA's unique experience and know-how make sensing technology smarter, add more value and prepare it for a sustainable future: Smart in sensing.

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