

Force Transfer Standards KTN-D, KTN-Z/D, KTN-P Series



Revolutionary transducer group for transferring forces

- Can be used with the highest precision requirements
- Simple adaptation according to ISO 376
- Resistant against interference forces and torques
- High long-term stability through hermetic sealing
- Low weight





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Properties and features

It doesn't get any better than this.

Force transfer standards should deliver the same results in every location, regardless of the ambient conditions. In contrast, load cells only have to reproduce in a single assembled state.

With these requirements in mind, we created the KTN series over 20 years ago and have developed it constantly ever since. With a focus on optimal reproducibility, several model ranges have been developed that are optimised for a variety of applications and application areas.



Application areas

KTN-D compressive force transducers offer the highest levels of precision for comparing national institutes with one another or tracing accredited calibration laboratories.

The KTN-Z/D series is used for tension and compression forces, and extends the application areas for pure compression force versions with a high level of precision.

The KTN-P series is specially tailored to the requirements for calibrating material testing machines and is specified for a measuring range from 5% and upwards.



Versions

Versions with a fixed cable connection or plug connections are available. The force transfer standards can be delivered with additional bending moment measuring bridges for detecting eccentric force introduction during use.

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