SKF

PROFESSIONAL BELT TENSION METER TKBT 10

Enhanced solution for belt tension measurement

Precision tensioning, peak performance

The belt tension meter TKBT 10 sets the standard for accurate and effortless belt tension measurement. Built for reliability and ease of use, this tool ensures optimal belt performance and extended service life. TKBT 10 delivers exceptional value for professionals who demand precision.

Smart design for versatile applications

With its advanced sensor technology, the TKBT 10 measures belt tension quickly and accurately across a wide range of belt types and sizes. The intuitive interface and robust construction make it ideal for both workshop and field use, helping prevent premature wear and costly downtime. By ensuring correct tension, the TKBT 10 minimizes the risk of slippage thus premature belt failure and maximizes efficiency in power transmission systems.

The TKBT 10 ensures that checking and setting belt tension has become quicker, safer, and more accurate. With its advanced sensor and digital display, precise tension readings are obtained in seconds, reducing guesswork and ensuring optimal belt performance.

The new tension meter comes with enhanced screen which makes adjustment and measurement easier. Self calibration ensures correct measurement all the time.

The TKBT 10 is suitable for v-belts, timing belts and other type of belts.

Benefits

- **Improved reliability:** Correct tension extends belt and component life.
- **Energy efficiency:** Prevents slippage and reduces power loss.
- **Reduced downtime:** Accurate tensioning minimizes unexpected failures.
- **Professional results:** Complies with manufacturer specifications.
- **Complete kit:** Includes sensor, batteries, and protective carrying case.

The TKBT 10 kit includes:

- SKF blue carrying case with storage inlays for all accessories
- 1 x TKBT 10 device
- 1 x TKBT 10-PS short measurement probe
- 3 x AA alkaline batteries
- 1 x IFU QR Card

TKBT 10 features

Operation

The TKBT 10 allows for easy and precise measurement of various type of belts' tension values.

Portable

The SKF blue color carry case, ensures that product is always safe in factory environment and all necessary parts are in one place for convenience.

Optical sensor

Acoustic sensors are less costly but work with sound. TKBT 10 has an optical sensor which provides correct measurement even in noisy factory environments. The accuracy is ±1% of reading.

TKBT 10

TKBT 10-PL

TKBT 10-PS

Various belt types

Suitable for V-belts, timing belts, and more.

Calibration

Device has a self-calibration menu. Always correct measurement.

Languague and memory

Menu with 6 different languages: English, German, Spanish, French, Italian, Dutch. Large memory to store 750 measurements in folder system.

Performance specifications

Measurement range	10–900 Hz
Resolution	<100 Hz: 0.1 Hz / >100 Hz: 1 Hz
Accuracy	±(1% of reading + 4 digits)
Operating temperature	0–50 °C
Storage temperature	–20 to 65 °C
Humidity	10–95% RH, non-condensing
Memory capacity	15 folders, 50 measurements each
Power supply	3 × 1.5 V AA batteries

Device properties

Property	Details
Dimensions	150 × 80 × 38 mm
Weight	300 g
Display	LCD
Languages	English, German, Spanish, French, Italian, Dutch
Calibration	Self-calibration property
Included in the box	1 × Belt tension meter 1 × Short probe (TKBT 10-PS) 3 × AA batteries 1 × QR code card 1 × Carrying case (size X)
Accessories sold separately	Belt tension meter probe – long (TKBT 10-PL) Belt tension meter probe – short (TKBT 10-PS)

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