

High technology
for constructive ideas



Power Transmission



TT optical

Frequency tension tester

- ✓ easy handling
- ✓ measurement range 5 Hz - 500 Hz
- ✓ high measuring accuracy

www.optibelt.com

optibelt

optibelt *TToptical*

The Optibelt TT optical frequency tension tester uses vibration frequency as a means of measuring belt tension accurately. This newly developed device provides universal application possibilities for drives in mechanical engineering, the automotive industry and many other application areas. The initial tension values of V-belts, kraftbands, ribbed belts, and timing belts can be tested easily and rapidly.

The TT optical has even more advantages:

- easy handling
- measurement range 5 Hz - 500 Hz
- compact size
- highest reliability
- high measuring accuracy
- no influence on the measurement due to ambient noise
- factory calibrated
- CE approved

After switching on the device, it is ready for immediate measurement. The mounted and tensioned belt is made to vibrate by finger pressure or by hitting it with something.

The measuring head has to be held above the belt to function, the TT optical starts the measurement and displays the result in Hertz [Hz].

The state, colour and type of the belt do not influence the measurement, since the measurement is based on an optical signal.



Display:

LCD, two lines

Range of measurement:

5 Hz - 500 Hz

Measuring accuracy:

< 10 Hz = 0.5 Hz

> 10 Hz = 1.0 Hz

Sensor:

optical, with Sensor

Voltage supply:

9V monobloc battery

Working time:

> 48 hours of permanent measurement (dependent on the quality of the battery used), automatic disconnection after 2 minutes

Dimensions:

170 mm x 45 mm x 30 mm

Weight:

≤ 100 g

Test:

CE acceptance test, RoHS, calibration in the factory

Accessories:

battery