optibelt

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Operating instructions

TT optical

frequency measuring device

optibelt
Power Transmission

Drive solutions with Optibelt

optibelt TT optical

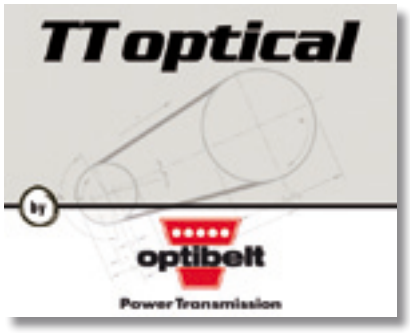
The Optibelt TT optical frequency measuring device is used to establish the tension of transmission belts by means of frequency measuring.

optibelt Power Transmission

Operating instructions

1 Press the "Start button" ⏻

2 The "Welcome logo" splashes for two seconds



3 Then the main screen is displayed

1 Target spot
2 Measured value
3 Frequency range
4 Battery level

Frequency range

- For a better accuracy within a short response time, the tool measuring range is splitted in two levels.
- The default range is 50 to 500 Hz.
- Press the start button ⏻ to switch to the lower range 5 to 100 Hz.
- Press once again to get back to the default range.

Target spot

- The spot helps the user placing the tool at the correct distance from the belt according to its displayed color. This only checks that the received signal on the optical sensor is strong enough for measuring.
- The right distance may vary according to the belt color, tension, and surface aspect.

Black	The tool is too close from the belt.
Red	The tool is too far from the belt.
Green	The distance between the tool and the belt should be correct.

Battery level

Indicates the actual battery charge.

Measured value

The belt tension value is displayed in Hertz.

Measuring process

- Switch on the tool.
- Place the tool in order to have the red light centered on the belt back side.
- Adjust the distance between tool and belt to get the green spot.
- Gently tap the belt, the measured frequency is displayed.

Safety advice!

Before the start of measurement, the drive motor must be switched off, thus ensuring that neither the drive nor the driven shaft can start rotating. All the corresponding safety measures must be strictly complied with!