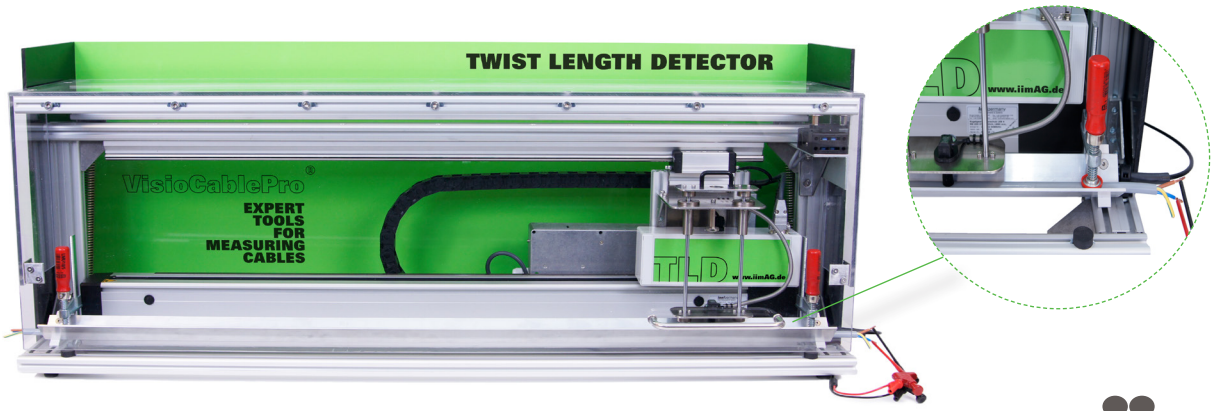
Twist Length Detector - TLD

For measuring the twist / lay length of sheathed cables

Product No.: 402.0013.01



Demo video

Technical Details:

Size (width x length x height)	1200 x 330 x 460 mm | 47.24 x 13 x 18.1 Inch
Weight	45 kg | 99.2 lbs
Supply Voltage	100 - 240 V, 50 - 60 Hz
Input Power	max. 100 Watt
Material	Aluminium, Stainless Steel, PVC
Measurable twist lengths	min. 10 mm | 0.39“ / max. 1000 mm | 39“ (with the standard measuring distance of 800 mm) *ATTENTION: Customizations possible on request (Please send some samples)*
Measuring distance	800 mm | 31.5“ *ATTENTION: Customizations possible on request*
Sample outer diameter	min. 2 mm | 0.08“ (requires an adapter for fixing thin cables) *ATTENTION: Customizations possible on request (Please send some samples)*
Driving speed of the sensor	The speed can be set in the configuration file *ATTENTION: The slower the driving speed, the more accurate the measurement*

Device details:

- The twist length of the samples is measured without removing the sheath
  → this ensures a precise measurement
- Traditional methods manipulate the sample (cable stripping / unwinding of conductors)
  → a precise measurement is not possible anymore
- Measuring accuracy: 1mm \| 0.04“
- Via an optional PC connection, the measuring results can directly be exported
- **Fully automatic**: By clicking one button, the measuring sensor automatically moves along the sample

Results:

- Result file: It is possible saving the following result data into a text file (export function):
  - Amount of twists
  - Measured distance (distance from the first twist to the last overlapping twist)
  - Driving distance oft he sensor
  - Minimum / Maximum twist length
  - Average of the detected twist lengths

Calibration:

- The calibration is performed with an especially designed master-sample (calibration piece)

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