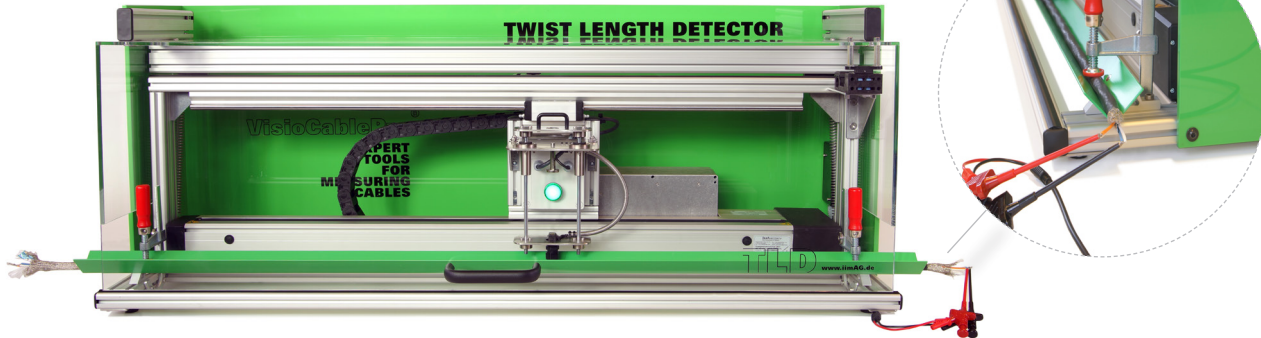
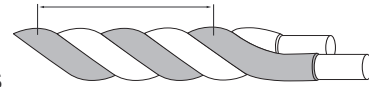


Twist Length Detector - TLD

For measuring the twist / lay length of sheathed cables

Product No.: 402.0013.01



Technical Details:

Size (width x length x height)	1320 x 420 x 480 mm 52 x 16.5 x 18.1 Inch
Weight	43 kg 95 lbs
Supply Voltage	100 - 240 V, 50 - 60 Hz
Input Power	max. 100 Watt
Material	Aluminium, Stainless Steel, PVC
Measuring accuracy	1 mm 0.04"
Measurable twist lengths	min. 10 mm 0.39" / max. 1000 mm 39" (with the standard measuring distance of 800 mm) <i>ATTENTION: Customizations possible on request (Please send some samples)</i>
Measuring distance	800 mm 31.5" <i>ATTENTION: Customizations possible on request</i>
Sample outer diameter	min. 2 mm 0.08" (requires an adapter for fixing thin cables) <i>ATTENTION: Customizations possible on request (Please send some samples)</i>
Driving speed of the sensor	The speed can be set in the configuration file <i>ATTENTION: The slower the driving speed, the more accurate the measurement</i>

Device details:

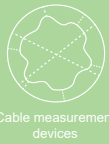
- Measurements according to the standards **LV212** und **LV122**
- The twist length of the samples is measured without removing the sheath
→ this ensures a precise measurement
- Traditional methods manipulate the sample (cable stripping / unwinding of conductors)
→ a precise measurement is not possible anymore
- 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 of the sensor
 - Minimum / Maximum twist length
 - Average of the detected twist lengths

Calibration:

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



Cable measurement devices



Software



Devices for sample preparation



Further devices