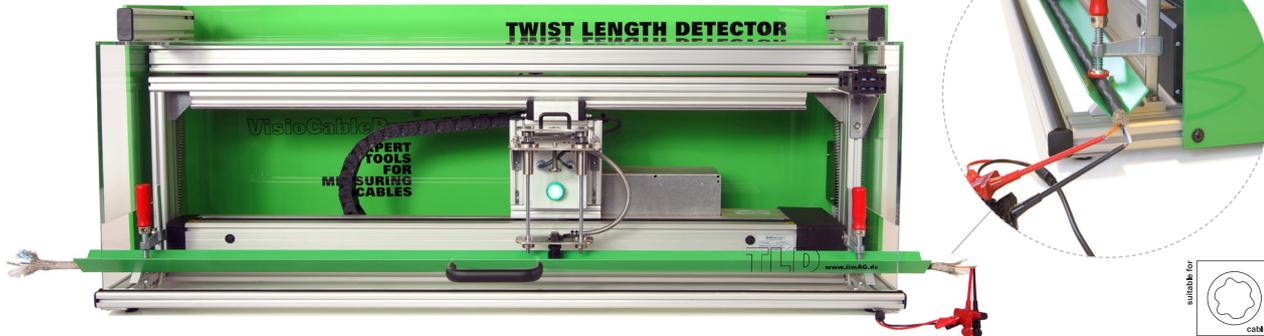
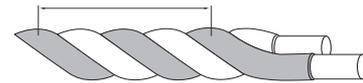


# Twist/Lay/Pitch Length Detector - TLD

For measuring the twist/lay/pitch length of sheathed cables

Product No.: 402.0013.01



## Technical Details:

<b>Size</b> (width x length x height)	1320 x 420 x 480 mm   52.0 x 16.5 x 18.1 Inch
<b>Weight</b>	43 kg   95 lbs
<b>Supply Voltage</b>	100 - 240 V, 50 - 60 Hz
<b>Input Power</b>	max. 100 Watt
<b>Material</b>	Aluminium, Stainless Steel, PVC
<b>Measuring accuracy</b>	1 mm   0.04"
<b>Measuring according to standards</b>	LV212; LV122
<b>Measurable twist lengths</b>	min. 10 mm   0.39" / max. 800 mm   31.5" (with the standard measuring distance) <i>ATTENTION: Customizations possible on request (Please send some samples)</i>
<b>Measuring distance</b>	800 mm   31.5" <i>ATTENTION: Customizations possible on request</i>
<b>Sample outer diameter</b>	min. 2 mm   0.08" (requires an adapter for fixing thin cables) <i>ATTENTION: Customizations possible on request (Please send some samples)</i>
<b>Driving speed of the sensor</b>	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 a 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)