SCANMEG

Type TL

Transverse profile scanner (extended range)

- **Simple alignment**
- **Watertight casing**
- **Single power supply**
- **Up to 1500 scans/sec.**
- **Daisy-Chain interconnection**
- **LED detection status for each cell**
- **Maximum of 32 sections per system**

Model
TL
TL2

Section	
4 ft	120 cm
2 ft	60 cm

Maximum length	
128 ft	39 m
64 ft	20 m

Model
TL
TL2

Section
TL: 4 ft   120 cm
TL2: 2 ft   60 cm

Maximum length
TL: 128 ft   39 m
TL2: 64 ft   20 m

Sensors spacing
TL: 1 in.   2.5 cm
TL2: 2 in.   5 cm

Power supply
15 to 24 Volts DC

Operating Temperature
Min.:   -40ºF   -40ºC
Max.: 120ºF   50ºC

Maximum consumption
TL :   400 mA per section
TL2 : 200 mA per section

Detection range
TL :   12 ft   4 m
TL2 : 6 ft   2 m

**Maximum Scan rate
(scans/sec.)**
TL: 1000
TL2:   1500

Output Interface
Serial link
RS-422

The Type TL are the ideal scanners for transverse scanning of logs and stems or, inside sawmills, for log carriage scanner deck or board optimizer or for any other applications requiring fast and accurate profile measurement.

According to the type of scanner chosen; with this light-curtain scanner profiles are taken at every 2.5 cm (1 in.) or at every 5 cm (2 in.) along the length of the object.

TL Model

Model TL measures profile and length of an object passing in its field of view. Each individual sensor, within the scanner, scans at a rate of 1000 scans/sec., thus a profile of a great accuracy is achieved. The object's length is also found with an accuracy of 2.5 cm (1 in.). The TL scanner can also be shipped with sensors cells (option OPT2) spaced at 5 cm (2 in.).

TL2 Model

This model is a simplified version of model TL. It has less sensors thus making it a faster scanner but with less accuracy on the length 5 cm (2 in.). The TL2 scanner scans at 1500 scans per second.

Module DEC-S4

The DEC-S4 module is used with this scanner to divide or multiply an encoder signal to obtain an ideal pulse speed for a given application environment. Also this module multiplexes an encoder signal into 4 separate outputs with different or identical voltage to be used simultaneously by several controllers.

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