

# YSL-2000HD

## Multi-Function Speed & Length Meter

- Two slide-on measuring heads (included) make it simple to rapidly convert from one function to another.
- Accuracy of  $\pm 0.02\%$ .
- Built-in memory for last, maximum, minimum value.
- NIST Certification Included
- 5 Year Warranty

The CHECK-LINE YSL-2000HD combines the functions of three separate instruments in one, easy-to-use device.

It accurately measures the speed and length of yarns, and other filaments using a unique "wrapper" roller. This precision roller directs the filament onto the low-inertia, U-grooved measuring wheel to maximize contact and eliminate filament slip and breakage.

The YSL-2000HD also functions as a contact or non-contact tachometer to measure rotational speeds of shafts, motors, pulleys, etc. or linear speeds of moving surfaces such as conveyor belts, webs of paper or fabric, etc.



Measuring heads snap on and off quickly and easily to accommodate contact or non-contact tachometer use.



# Specifications

## Measuring Ranges

<b>RPM</b>	<i>Non-Contact:</i> 1.00 - 99,999 rpm <i>Contact:</i> 1.00 - 19,999 rpm
<b>Surface Speed</b>	0.30 – 6,500 feet/min 0.10 – 1,999 meters/min 4.0 – 78,000 inches/min
<b>Length</b>	0.01 – 99,999 feet 0.02 – 99,999 meters 1.0 – 99,999 inches
<b>Resolution</b>	0.01 from 0 – 100 0.1 from 100 – 1,000 1 from 1000 – 99,999
<b>Yarn/Wire Diameter (max.)</b>	<i>Yarn:</i> 1mm / <i>Wire:</i> 0.3mm
<b>Accuracy</b>	± 0.02% of reading or 1 digit
<b>Display</b>	5-Digit LCD, .39" (10mm) high
<b>Decimal Point</b>	Automatic
<b>Memory System</b>	Maximum, minimum, and last reading (retained in memory for the life of the batteries)
<b>Measurement System</b>	<i>Non-Contact:</i> Visible LED light beam <i>Contact:</i> Contact adapter
<b>Sensing Distance</b>	Up to 14 inches (350mm)
<b>Display Update Time</b>	0.5 seconds or one measuring
<b>Auto Power Off</b>	After 30 seconds of non-use (minimum, maximum and last reading retained in memory)
<b>Battery Life</b>	20 hours continuous use
<b>Weight</b>	6 ounces (170 grams)
<b>Housing Material</b>	ABS Plastic
<b>Operating Temperature</b>	32 to 122° F (0 to 50° C)
<b>Storage Temperature</b>	-4 to 150° F (-20 to 70° C)
<b>Optional Accessories</b>	Shaft extension, 3.15 inches (80 mm)
<b>Warranty</b>	5 years

## Engineering Units (selectable)

Linear Speed	Length	Revolutions
feet/min	feet	rpm
meters/min	meters	
inches/min	inches	

## Tachometer Accessories



## Complete Kit

The YSL unit, two slide-on measuring heads (tachometer and yarn speed), cone tip, universal surface speed wheel with integrated funnel tip adapter, reflective tape, two AA batteries and operating instructions, all supplied in a foam-fitted, hard-plastic carrying case.

