

# Laser Diameter Gauge

- High & Low Value Alarm, Out Of Range Alarm, Alarm On -Off Selection.
- Automatic Correction Of Line Speed To Match The Set Value, Auto / Manual Selection.

## Product Brief:

Puretronics Introduces Non-contact Laser Diameter Gauge And Online Controller In Collaboration With European Company.

Non-contact Measurement Technique Enable You To Stabilize Your Extrusion Process, Especially For Cable Production Lines.

It Reduces Waste, Reduce Manpower, Save Raw Material, And Ensure Product Quality.

It Is Easy To Setup And Use. It Is Made Of Aluminium Housing For Durability Even In Rugged Production Environments. It Is Insensitive To Product Vibration And Movement.



## Technical Specifications:

Model	LAZER 2008
Measurement Range	0.8 - 35 mm
Size	50 mm
Scan Velocity	156 m/sec
Resolution	1 micron
Repeatability*	± 1 micron
Accuracy**	± 2 micron or ± %0.1 of reading value
Scan Rate	416 Scan/s or option 416 scan/s
Operating Temperature	0 - 50°C
Relative Humidity	0 - 95% non condensing
Power Supply	between 85V AC to 285V AC
Dimension (LxHxW)	384 x 150 x 82 mm
Power Consumption	Less than 10 Watt

\* Above values are for Averaging of 100 readings.

\*\* Above values are for Averaging of 200 readings.

## Accessories:



## Applications:

- Wire Drawing • Fibre Optics • Telecom • Building Wire • Power Cable • Tube Extrusion • Glass Rods / Tubes

**Accuracy in any Position:** No matter where you position LAZER 2008 in your process line you get precise, consistent measurement data due to the simplified optical path, rotating mirror drum, solid state laser diode, built-in digital signal processing and specially crafted optical lenses.

A rugged, machined aluminium case sealed to keep out moisture and dirt—even in the harshest environments.

In fact, LAZER 2008 measurement is so stable that after a year of continuous operation most users will have no need to recalibrate the gauge. The result is a non-contact, in-process system that consistently corrects and supplies accurate diameter from the controller—and keeps your line producing high-quality, cost-efficient product.

**LAZER 2008 sensor head:** Using an advanced digital signal processor, the LAZER 2008 sensor head minimizes external interference to give you the most accurate and stable diameter measurements possible.

- High accuracy, low drift measurements.
- Rugged case construction sealed for longer life.
- Accurate measurement regardless of where the product is positioned within the measuring gate.

**Display:** The 5 digit display and simple operating key system. Extension flexibility of Control & Display.



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