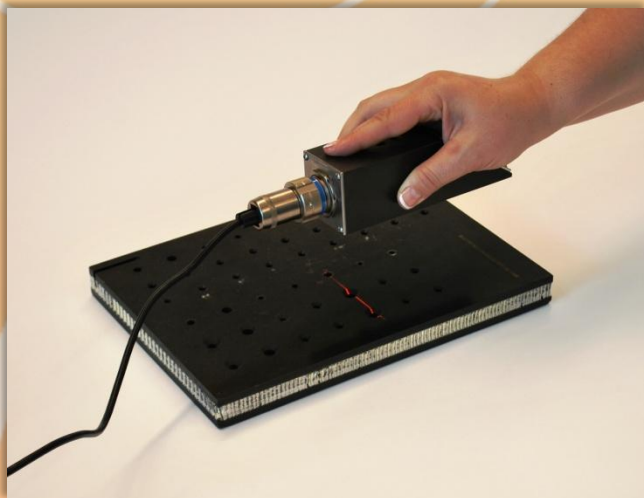
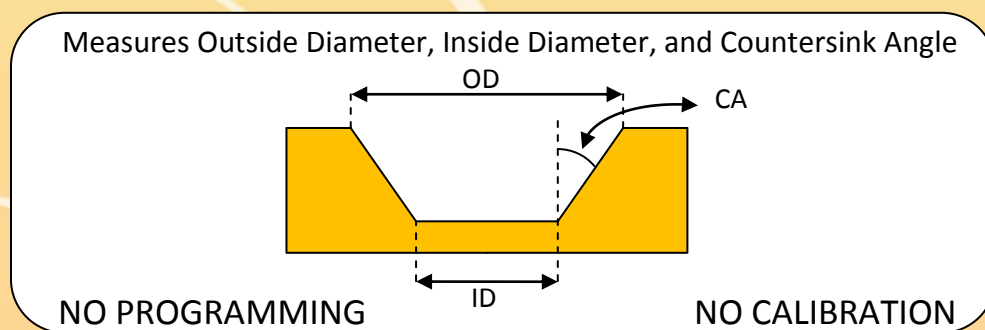


# Lucana M Countersink Sensor

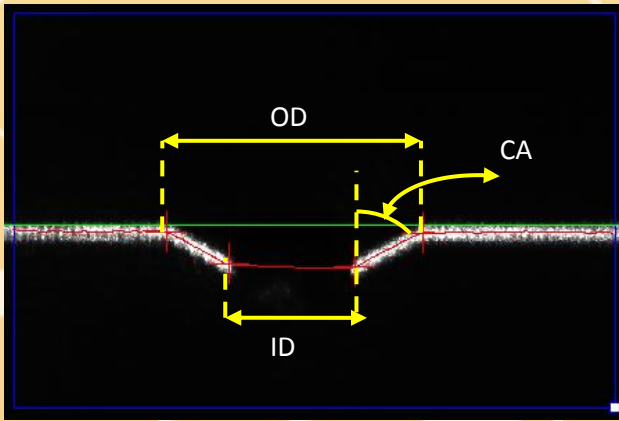
Lucana M Countersink Sensor can measure the outside diameter, inside diameter, and the countersink angle to ensure a perfect countersink. Our innovation allows Lucana M Countersink to perform measurements without calibration, setup, or programming.



- Cost Effective
- Front Measurement
- Handheld or Attached
- Measures outside diameter, inside diameter, and the countersink angle

# Lucana M Countersink Sensor

## User Interface



The user interface for Lucana M Countersink measuring the outer diameter and the inner diameter as well as the angle of the countersink. The user can view the measurements of the diameters in millimeters or inches and set the tolerance for pass or fail. The data can be sent to another device via UDP, TCP/IP protocol as well as log the data locally or on any network drive.

Operation

Start  Once  Save Image

Stop Calc. Time: 13 ms

Total: 127 ms

Continuous Measurement, single measurement and time

Static

Part ID: part 1

Data Logging  Add Delete

Data Logging to local or network drive with ability to specify a tag such as part list

Measurements

OD: 14.97 mm

ID: 7.54 mm

Angle: 55.13 deg

Change Unit to: IN

Measurement in millimeter or inches

Max Measurements

OD: 15.51 mm

ID: 8.28 mm

Angle: 60.47 deg

Reset

Tolerances

Max OD: 15 mm

Min OD: 0 mm

Max ID: 10 mm

Min ID: 0 mm

Max Angle: 45 deg

Min Angle: 0 deg

Apply

Tolerance setting for pass/fail output to digital to digital I/O (Optologic) or set flag in communication.

Transfer/Trigger

Enable I/O  Trigger I/O

Trigger UDP

Enable TCP/IP

Communications TCP/IP, UDP, and I/O (Optologic)

Exposure Control

33

Apply

Parameters

Curvature span: 30 8 - 48 pixels

Min Curvature x 10: 35 10 - 50 pixels

Line Sharpness: 100 20 - 200

Apply

Control to accommodate different surface reflectance

0  Lock Help

Reset Unlock

On the fly calibration reset with passcode protection

# Lucana M Countersink Sensor

## Specifications



<b>Measurements</b>	Outside Diameter, Inside Diameter, and Countersink Angle
<b>Resolution</b>	
<b>On Center</b>	± 0.076 mm / 0.003 in
<b>Within Box</b>	± 0.127 mm / 0.005 in
<b>Angle</b>	± 0.1 degrees
<b>Min Diameter</b>	2.2 mm/0.087 in
<b>Max Diameter</b>	38 mm/1.497 in
<b>Min Height</b>	0.0 mm/0.0 in
<b>Max Height</b>	85 mm/3.35 in
<b>Angle Range</b>	± 45 degrees
<b>Nominal Standoff distance</b>	85 mm / 3.35 in
<b>Output</b>	UPD, TCP/IP, Digital I/O Data Logging
<b>Dimension</b>	
<b>Sensor</b>	(w x h x d) 25.4 x 25.4 x 177.8 mm, 2 x 2 x 7 in
<b>Processor</b>	(w x h x d) 166 x 48 x 157 mm, 6.5 x 1.9b x 6.2 in
<b>Input voltage</b>	12V
<b>Input current</b>	5A
<b>Environmental</b>	
<b>Storage Temperature</b>	-10° C to +70° C
<b>Operating Temperature</b>	+5° C to + 50° C