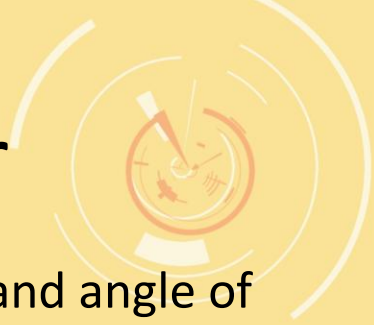
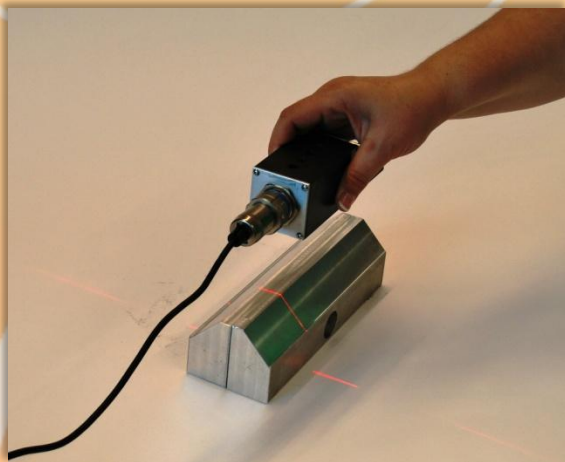
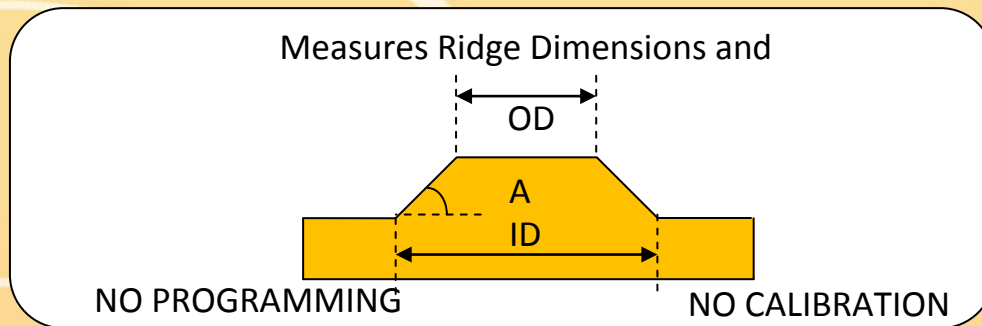


Lucana M Ridge Sensor



Lucana M Ridge Sensor can measure the dimensions and angle of any ridge structure that protrudes from the surface or a part or object. Our innovation allows Lucana M Ridge to perform measurements without calibration, setup, or programming.

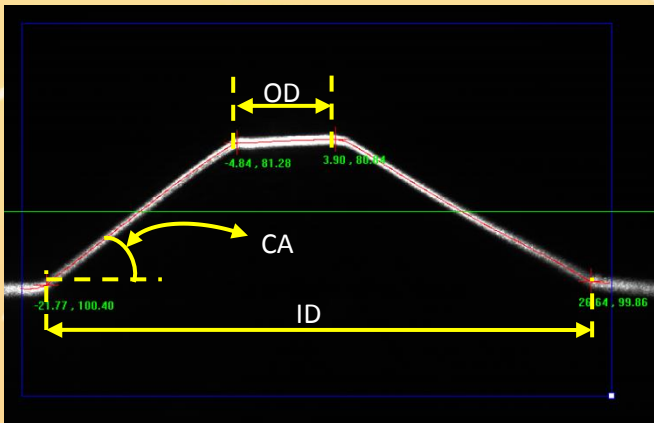


- Cost Effective
- Front Measurement
- Handheld or Attached
- Measures Ridge Dimensions
- Measures on the Fly

Lucana M Ridge Sensor



User Interface



Operation

Start **Once** Save Image

Stop Calc. Time: 45 ms

Total: 133 ms

Static

Part ID

Data Logging Add Delete

Measurements

OD	8.74	mm	Change Unit to:
ID	48.41	mm	IN
Angle	-41.53	deg	

Max Measurements

OD	47.54	mm
ID	55.25	mm
Angle	-92.70	deg

Reset

Tolerances

Max OD	12	mm
Min OD	8	mm
Max ID	1.6	mm
Min ID	0.8	mm
Max Angle	6	deg
Min Angle	4	deg

Apply

Transfer/Trigger

Enable I/O Trigger I/O

Trigger UDP Pushbutton Trigger

Trigger TCP Port = 9000

Exposure Control

7 Apply

Parameters

Curvature span	16	8 - 48 pixels
Min Curvature x 10	10	10 - 50 pixels
Line Sharpness	100	20 - 200

Apply

Continuous Measurement, single measurement and time

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

Measurement in millimeters or inches

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

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

Control to accommodate different surface reflectance

The user interface for Lucana M Ridge sensor measuring dimensions and angle of any ridge structure protruding from the surface or a part of object. The user can view the measurements of the dimensions 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.

Lucana M Ridge Sensor



Specification

Measurements	Ridge Dimension
Resolution	
On Center	± 0.076 mm / 0.003 in
Within Box	± 0.127 mm / 0.005 in
Minimum Gap	2.2 mm/0.9 in
Maximum Gap	38 mm/1.50 in
Nominal Standoff distance	85 mm/3.35 in
Output	UPD, TCP/IP, Digital I/O Data Logging
Dimension	
Sensor	(w x h x d) 25.4 x 25.4 x 177.8 mm, 2 x 2 x 7 in
Processor	(w x h x d) 166 x 48 x 157 mm, 6.5 x 1.9 x 6.2 in
Input voltage	12V
Input current	5A
Environmental	
Storage Temperature	-10° C to +70° C
Operating Temperature	+5° C to + 50° C