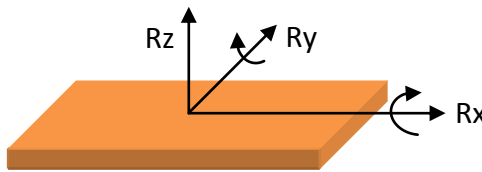


Lucana M Tip/Tilt Sensor

Lucana M Tip/Tilt Sensor can measure the surface tip or tilt of an object or part. Our innovation allows Lucana M Tip /Tilt to perform measurements without calibration, set up, or programming.

Measures Surface Tip or Tilt



NO PROGRAMMING

NO CALIBRATION

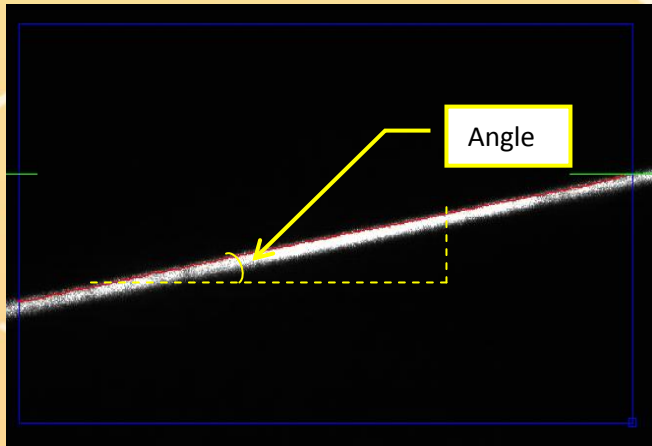


- Cost Effective
- Front Measurement
- Handheld or Attached
- Measures Surface Tip/Tilt
- Range $\pm 45^\circ$ ($\pm 15^\circ$ on glass)
- Measures on the Fly

Lucana M Tip/Tilt Sensor



User Interface



The user interface for Lucana M Tip/Tilt sensor measuring surface tip or tilt of an object or part. The user can view the measurements of tip/tilt in degrees and set the tolerance for pass or fail. The data can be send to another device via UDP, TCP/IP protocol as well as log the data locally or on any network drive.

Operation

Start Save Image

Stop Calc. Time: 101 ms Total: 172 ms

Data Logging

Part List: part 3

Enable Logging Add Delete

Measurements

Angle: -17.68 degrees

Z: 97.92 mm

Units: [Red Dot] [Red Dot]

Raw Zero IN

Tolerances

Max Angle: 12 degrees

Min Angle: 8 degrees

Max Z: 1.6 mm

Min Z: 0.8 mm

Apply

Transfer/Trigger

Enable I/O Trigger I/O

Trigger UDP Pushbutton Trigger

Trigger TCP/IP Trig = 't' PORT = 9000

Lenze 940

Exposure Control

5 ms Used: 2

Auto Try Apply

Parameters

Edge Strength: 30 I.E. 30

Apply

Continuous Measurement, single measurement and time

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

Measurement in millimeter or inches

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

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

Control to accommodate different surface reflectance

Lucana M Tip/Tilt Sensor



Specifications

Measurements	Surface Tip/Tilt
Resolution	
On Center	± 0.076 mm / 0.003 in
Within Box	± 0.127 mm / 0.005 in
Angle	± 0.1 degrees
Nominal Standoff distance	80.5 mm/3.38 in
Angle Range	± 45 degrees
Minimum Z	57.84mm / 2.40 in
Maxium Z	132.55mm / 5.50 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