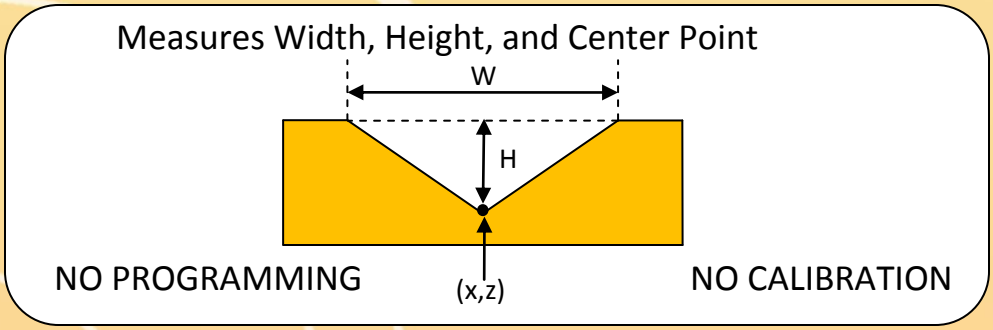
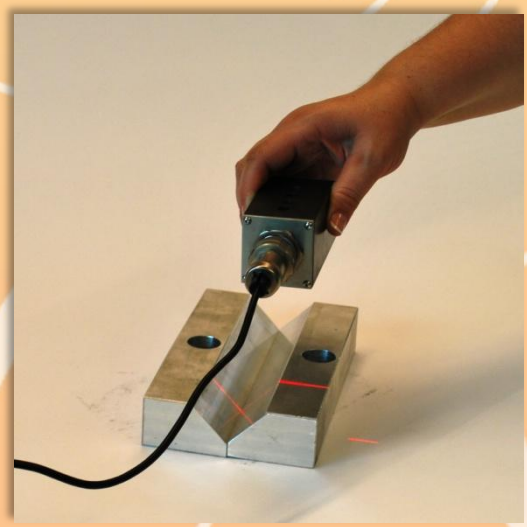
Lucana M MIG Sensor

The Lucana M MIG Sensor can measure the width, height, and center point of the V-channel for a MIG-weld application. Our innovation allows Lucana M MIG Sensor to perform measurements without calibration, setup, or programming.





- Cost Effective
- Front Measurement
- Handheld or Attached
- Measures width, depth, and center point
- Measures on the Fly

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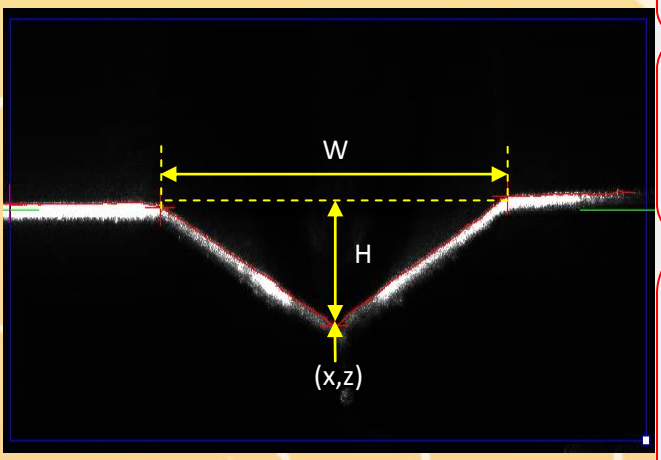
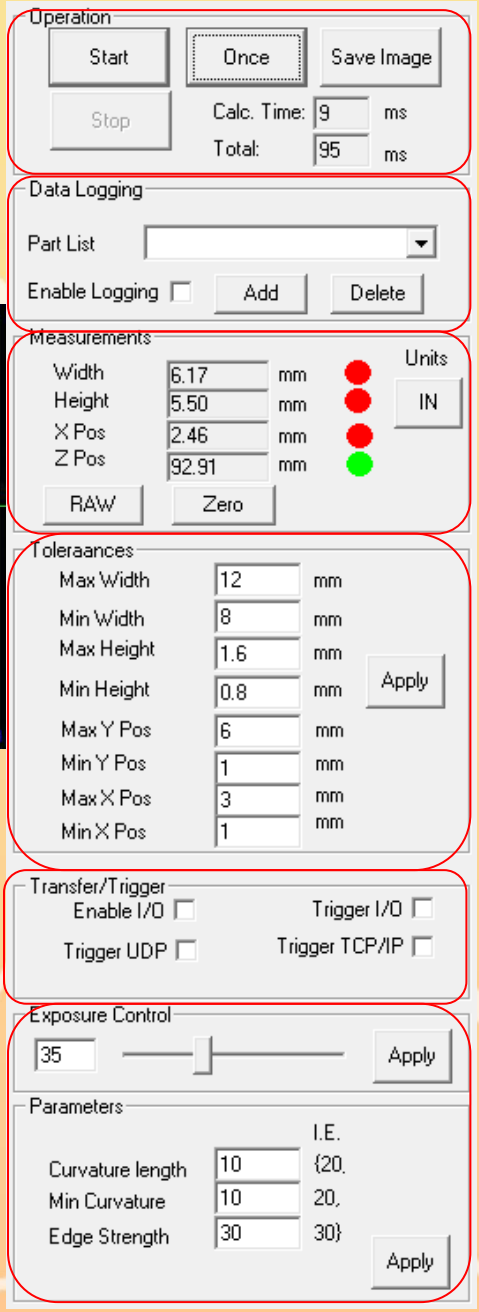
Lucana M MIG Sensor

User Interface



The user interface for Lucana M MIG sensor measuring the width, depth, and center point of the V-channel for a MIG-weld application. The user can view the measurements of the width, depth, and center 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.



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 millimeters 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

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Specifications

Measurements	Width, Depth, and Center point
Resolution	
On Center	± 0.076 mm / 0.003 in
Within Box	± 0.127 mm / 0.005 in
Minimum Width	2.2 mm/0.9 in
Maximum Width	38 mm/1.50 in
Minimum Depth	0 mm/0 in
Maximum Depth	30 mm/3.5 in
Minimum X	132.55 mm / 5.50 in
Maximum X	57.84 mm / 2.40 in
Minimum Z	-24.34 mm / -1.01 in
Maximum Z	24.34 mm / 1.01 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

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