

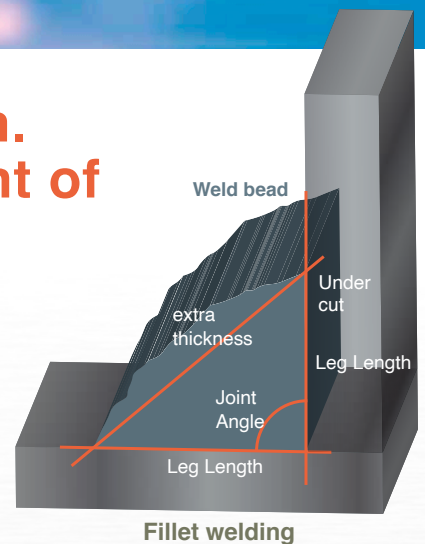
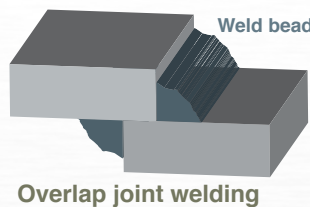
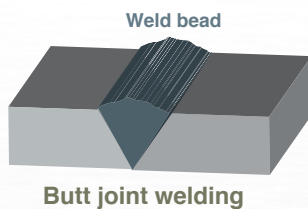
3D Handy Scanner **LC-GEAR**

 The measuring device for weld leg length

Made in JAPAN



**Just shine the laser beam.
Non-contact measurement of
weld bead cross section.**



1 SIMPLE

Handheld type,
easy to handle.

2 EASY

Hold it over
where you want
to measure and
just pull the trigger.
Use Non-contact
optical cutting method.

3 ACCURATE

Instantly display
the measurement
results and store
them in your device.

4 Digital Transformation(DX)

Just scan a generated
QR code to manage
your measurement
results.

Handheld type for easy measurement of hard-to-measure points.
The worker supporting tool that anyone can easily use,
and digitize welding inspection.

3D Handy Scanner
LC-GEAR CSM-HS10WL

SIMPLE

3D Handy Scanner,
familiar to be
used like a
barcode scanner

- The handheld type is easy to handle and can measure in small spaces that were difficult to measure before.

EASY

No need to
prepare for
welding gauges.

- 12 types of fillet welds can be measured, including "leg length," "undercut," and "excess thickness". No need to be trained, you would find your results with just a single trigger.

ACCURATE

No need to
write down
your record
by hand.

- Instantly and accurately record your results with value, by this LC-GEAR.
- The results can be saved in your computer as Excel®, traceability guaranteed.

**Digital Transformation(DX)
QR Code
Management**

- Able to link your measurement target with a generated QR code.
- QR codes can be used in combination with the cloud for visualization and DX of welding operations.

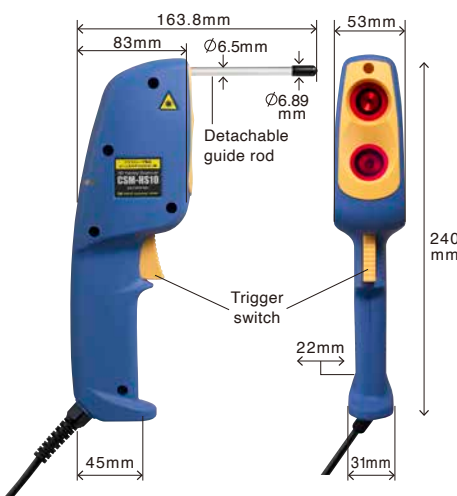
Measurement result screen

Camera image
Display of the condition of the area captured by the camera

Laser cross-sectional view
Displays measurement results in numerical and graphical form for easy understanding

Measurement history
Display measurement result values and use them in Excel®.

External Dimensions / Part Names



Item Specifications

Item	Specifications
Model Name	CSM-HS10WL
Method	Light section method / Class 2 laser (red: 650nm)
Measuring Distance / Range	Distance: 50 to 100mm, Width: 40 to 70mm
Measurement Resolution	0.1mm
Repeatability	0.2mm
Measurement Model	Fillet welding, overlaps joint welding, butt joint welding
Measurement Parameters	Leg length, extra thickness, throat thickness, undercut, etc.
Other Measurements	Height measurement, R measurement, gauge block measurement
Output Format	CSV file, clipboard, pseudo keyboard
Useful Functions	Memo input, barcode input (memo)
	Excel® data conversion
	English notation switching
Connection PC	Windows 10, 11, core-i5 or higher recommended
Connection IF	USB2.0 (external memory, external IO)
Power Supply	150mA supplied from PC via USB cable
Environmental Conditions	Operating: 0 to 40°C, 20 to 90%Rh
	Storage: -20 to 60°C, 20 to 95%Rh
External Dimensions	240 x 83 x 47 mm
Weight	290g (excluding cable)

- Manual measurement and manual correction may be required depending on the shape.
- Depending on the material, mirror finish, etc., it may be necessary to measure using a matte finish.
- Shielding is required under direct sunlight to allow laser recognition.
- Excel® is a registered trademark of Microsoft Corporation.

Development / Manufacturing

The exclusive Japanese agent



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