

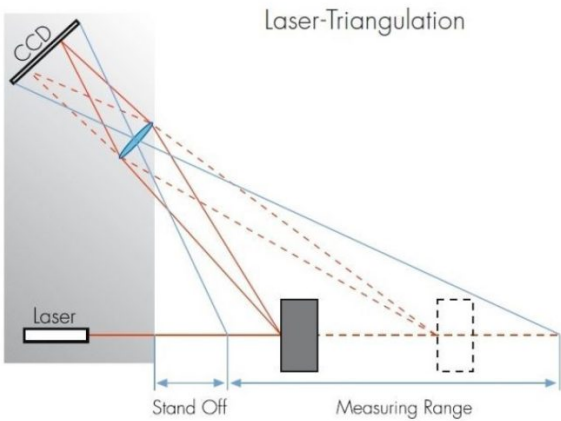


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ANTARIS

ANTARIS LONG
STANDOFF
LASER
TRIANGULATION
SENSOR FOR
HOT
APPLICATIONS




The ANTARIS Series of triangulation sensors is built for long-standoff measurement, such as where the measurement target is extremely hot – for example, hot profile or flatness measurement on hot steel strip. The intelligent signal processing controls exposure of the CCD array and laser power in real time, resulting in excellent dynamic behaviour regardless of varying colour, reflectivity or texture of the target, making them a solid choice for integration for online or offline measurements.

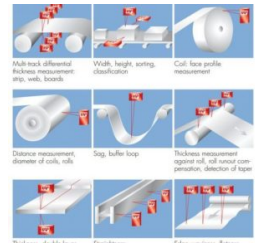
Laser measurement sensors can be customised, with the ANTARIS BAND giving a short line rather than measuring spot. Typically, long standoff laser triangulation sensors are used to measure flatness, straightness, length, width, height and displacement in the metals industry (<https://scantronltd.co.uk/industries/sheet-metal/>).

LAP FEATURES

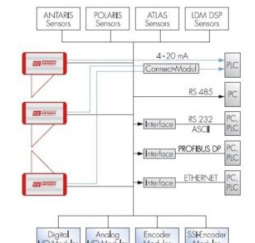




(<https://scantronltd.co.uk/content/uploads/2017/01/ANTARIS-Laser-Measurement-1.jpg>)



(<https://scantronltd.co.uk/content/uploads/2017/01/ANTARIS-Applications-1.jpg>)



(<https://scantronltd.co.uk/content/uploads/2017/01/ANTARIS-Configuration-Diagram-1.jpg>)

600x600.jpg)

Diagram-
600x600.jpg)

60

- 4 kHz measurement
- Repeatability from 0.4 µm, depending on model
- Uncertainty from 1 µm, depending on model
- Measuring ranges available from 350 to 4000 mm
- Standoff distances from 620 to 1550 mm respectively
- RS485 output, convertible to Ethernet/USB/other
- Wavelength 670 nm
- IP65 enclosure
- Condition range 0-40 °C, non-condensing humidity

If you would like more information about using the ANTARIS laser measurement system or available options, contact us (<https://scantronltd.co.uk/contact-us/>).

CONTACT OUR SALES TEAM

Contact our sales team via email regarding this product: +44 (0)1823 333343 (tel:+44 (0)1823 333343)

EMAIL US ([MAILTO:SALES@SCANTRONLTD.CO.UK](mailto:SALES@SCANTRONLTD.CO.UK))

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DOWNLOADS

Antaris
(<https://scantronltd.co.uk/wp-content/uploads/2018/01/Atlas.pdf>)

Specification Features/Benefits Applications Options

Measuring range, stand off and accuracy are variable and will be optimised

Antaris S	Measuring Range (mm)	Offset (mm)	Repeatability (µm)	Measurement uncertainty (accuracy) [µm]* / %**
Antaris 350	350	620	± 50	± 140 / 0.04
Antaris 800	800	500	± 100	± 320 / 0.04

Antaris 1250	1250	750	± 150	± 500 / 0.04
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* derived from DIN 32877, average from 64 single values **% of measuring range

Antaris L	Measuring Range (mm)	Offset (mm)	Repeatability (µm)	Measurement uncertainty (accuracy) [µm]* / %**
Antaris 500	500	890	± 70	± 200 / 0.04
Antaris 1000	1000	1000	± 130	± 400 / 0.04
Antaris 2000	2000	1300	± 260	± 800 / 0.04
Antaris 4000	4000	1550	± 520	± 1600 / 0.04

Technical Data	
Laser type, wavelength	Diode, 680nm, red
Laser power	1mW (optional 3 ... 7mW)
Laser class	2 (high power 3R, 3B)
Sampling frequency	up to 4kHz
Interfaces	Analog 4 ... 20mA (galv. separated), digital RS 485 (optically isolated)
Power supply	18 ... 30VDC, <250mA
Enclosure rating	IP 65
Dimemnsions (LxWxH)	ANTARIS S: 320mm c 200mm x 124mm ANTARIS L: 560mm x 200mm x 124mm
Weight (incl. bracket)	S:ca. 9.8kg L:ca. 13.4kg
Ambient conditions	0 ... 40°C, 35 ... 85% rel. humidity, non-condensing


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Please call or fill in our online enquiry form

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INFORMATION

APPLICATION

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