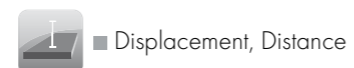




APPLICATIONS:

Single Sensors:



Combinations:



ATLAS SERIES



SMALL, PRECISE, VERSATILE:

ATLAS sensors work by the triangulation principle. Single sensors measure displacement, depending on combination and arrangement you may measure thickness, width, height, straightness, flatness, position or you may check for completeness or double layers. The pure digital data processing from CMOS to evaluation software eliminates all sources of errors occurring in analogue measurement. Still an analogue output 4 ... 20 mA is available.

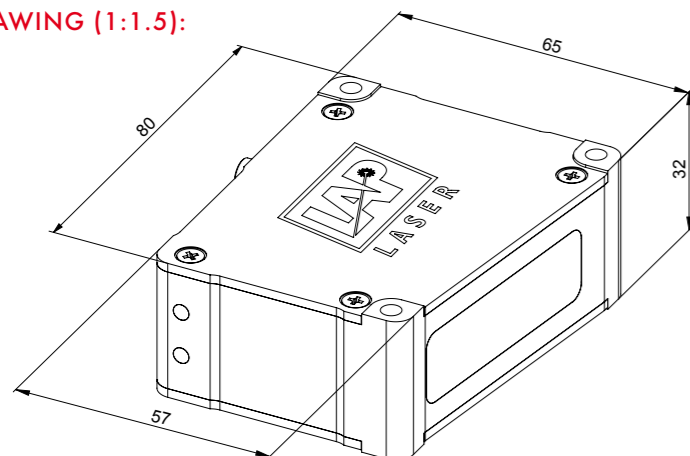
BENEFITS:

- Smallest size
- Maximum accuracy
- Digital from measurement to evaluation
- Fastest measurement, up to 4 kHz (10 kHz)
- Parametrizable

Technical Data	
Laser type, wavelength	Diode, 670 nm, red
Laser power	1 mW
Laser class	2
Sampling frequency	parametrizable, up to 4 kHz (10 kHz)
Interfaces	analog 4 ... 20 mA (galv. separated), digital RS485 (optically isolated)
Power supply	18 ... 30 V DC, < 250 mA
Ambient conditions	0 ... 40 °C, 35 ... 85 % rel. humidity, non-condensing
Dimensions (L x W x H)	80 mm x 65 mm x 32 mm
Weight	ca. 250 g
Enclosure rating	IP 54



DRAWING (1:1.5):



MODELS

Type	Measuring Range [mm]	Offset [mm]	Repeatability (time) * [µm]	Measurement uncertainty (Accuracy) [µm] * / % **
ATLAS 10	10	64	± 1	± 2 / 0,02
ATLAS 40	40	60	± 3	± 6 / 0,015
ATLAS 100	100	105	± 10	± 15 / 0,015

* according to DIN 32877

** % of measuring range

