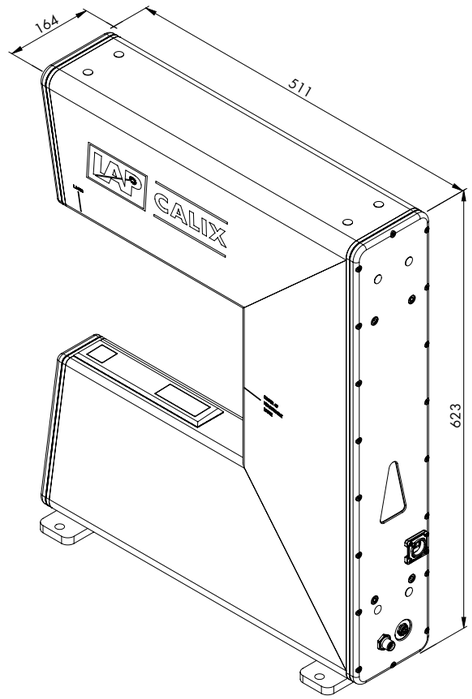
APPLICATIONS:

- Thickness

DRAWING (1:7):



CALIX SERIES

DOUBLE-PACK:

CALIX series is the first family of LAP sensors for differential thickness measurement in one housing. They replace measuring frames, that need time-consuming recalibration and temperature control due to their temperature characteristics.

The alignment of measuring beams is optimised during production at LAP. CALIX sensors don't need complicated adjustments of opposing sensors in the measurement frame. Errors related to alignment won't occur. LAP CALIX sensors can easily be integrated into production lines. They reach over the objects to be measured from the side, without the need for O-frames or bridges.

CALIX sensors are offered with two measuring ranges and three throat depths. Measuring depth determines the distance between the edge of the material and the measuring point. LAP also offers traversing systems. For more details, have a look at our CALIX brochure.

BENEFITS:

- Factory calibrated thickness measuring system
- Highest precision and stability
- Fast measurement, up to 4 kHz
- Ethernet interface
- Temperature stabilised

Technical Data	
Laser type, wavelength	Diode, 670 nm, red
Laser class	2 (3B)
Sampling frequency	up to 4 kHz
Interfaces	Ethernet, RS485
Power supply	24 V DC , max 500 mA
Ambient conditions	0 ... 40 C, 35 ... 85 % rel. humidity, non-condensing
Enclosure rating	IP 65

MODELS

Type	Measuring Range [mm]	Measuring depth a [mm]	Throat depth b [mm]	Throat height c [mm]	Resolution [µm]	Repeatability [µm]	Linearity [µm]	Dimensions [L×W×H]	Weight [kg]
CALIX S 10	10	250	300	200	0.2	± 0.35	± 2.5	623 × 164 × 511	ca. 20
CALIX S 30	30	250	300	200	0.5	± 1	± 7.5	623 × 164 × 511	ca. 20
CALIX M 10	10	350	400	200	0.2	± 0.35	± 2.5	623 × 164 × 611	ca. 24
CALIX M 30	30	350	400	200	0.5	± 1	± 7.5	623 × 164 × 611	ca. 24
CALIX XL 30	30	1020	1300	200	0.5	± 0.5	± 2	800 × 300 × 1645	ca. 230