MORE POSSIBILITIES. EASIER INTEGRATION.

Cube-B with new 75 mm optics

More possibilities for your setup

The familiar Cube-B format now combines a 75 mm working distance with more options for fixed, fixture-based and robotic measurement.

- Reach more measurement positions at 75 mm
- Integrate in fixed, fixture-based or robotic setups
- Measure rough and powdery surfaces without contact
- Use the same compact housing as the 33 mm configuration



75 MM OPTICS

More distance. More possibilities.

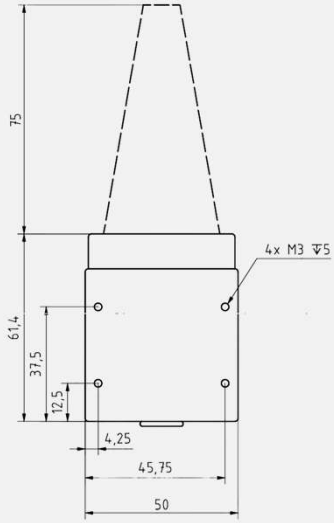
75 mm	± 10 mm	± 20°	Ø 5 mm
working distance	distance tolerance	angle tolerance	measurement spot

FIXED OR ROBOTIC
Stationary, fixture-based or robot-mounted measurement

PLC AND QA
Serial and PROFINET IO interfaces via the Industrial controller

UP TO 7.5 M
Maximum length between sensor and controller

Small and easy to integrate



Use measurement data in real time

With the PaintChecker Industrial LED Controller, coating thickness data can be utilized in real time by production and quality control systems—for example, to support the adjustment of process parameters in powder coating systems.

Use up to 8 sensors simultaneously on a single controller to avoid costly rework,
increase your production capacity,
protect the environment,
and save money.



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33 MM VS. 75 MM

Choose the optics by geometry, access and process.

TECHNICAL COMPARISON	33 mm	75 mm
Working distance	33 mm	75 mm
Distance tolerance	± 3 mm	± 10 mm
Angle tolerance	± 15 Grd	± 20 Grd
Measurement spot diameter	2 mm	5 mm
Max. pulse energy (1 s)	250 mJ	750 mJ
Best fit	Confined setup, edges, radii	Open surfaces and flexible integration

USE 33 MM FOR

- Tight integration space
- Edges, recesses and smaller radii

USE 75 MM FOR

- Flexible fixed or robotic integration
- Rough or powdery surfaces without contact

Cube 75 mm technical data

LED sensor | cube format

MEASUREMENT AND OPTICS	
Measurement range	1-1000 µm
Measurement rate	max. 0.5 Hz
Measurement time	250-2000 ms
Resolution	1% typical
Accuracy	3% typical
Working distance	75 mm
Distance tolerance	± 10 mm
Angle tolerance	± 20°
Measurement spot diameter	5 mm
Max. pulse energy at 1 s	750 mJ
Wavelength	365 nm
Diffuser	none
Operating mode	pulsed
Duty cycle	33%

CUBE AND INTEGRATION	
Sensor format	LED, Cube housing
Housing	aluminium
Dimensions (L x W X H)	50 x 51 x 61.4 [mm]
Weight	150 g
Eye-safe	yes
Mounting	fixed / fixture / robot
Max. sensor cable	7.5 m
Controller	Industrial LED-B
Controller interfaces	Profinet IO / serial / Device Net
Sensors per controller	up to 8
Exterior	same as 33 mm

ORDERING INFORMATION

Optics	33 mm (LED-B 3.3)	75 mm (LED-B 7.5)
catalogue number	S26-0600-05	S26-0600-12

Compatible with controllers from C24 onward. New Gun-B systems are supplied exclusively with C26, including USB-C.
Technical data and confirmed order numbers supplied by OptiSense.

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