PaintChecker
Industrial Controller

Whether paint, powder or glaze, rough, smooth or particularly thick, cured or immediately after application: our industrial PaintChecker systems simultaneously measure the coating thickness at up to eight points – without any contact and fully automated in continuous industrial operation.

HIGHLIGHTS

- Robust photothermal measurement process for a large number of material combinations
- Up to eight measurements simultaneously
- High-power versions for thick coatings, large measuring distances, and higher energy density
- Short measuring time for high-speed production lines
- Interface to industry standard PLC and QA systems

PaintChecker *Industrial*

The PaintChecker Industrial controller includes the driver and power supply for the sensor, stores the measurement configuration, and controls the flow of data to the production line control. The controller, features a robust, dust-proof aluminium housing, and comes in different versions for laser and LED sensors.

It is connected to the sensor via a flexible cable and can be mounted remotely. A serial interface and a ProfinetIO connection are integrated for communication with the PC and the system PLC.

PaintChecker *Industrial Multi*

The PaintChecker Industrial Multi controllers support multi-point measurements with up to 8 sensors. They record and evaluate the data from all measuring locations simultaneously. Measurements on several components or different component positions can be carried out in a fraction of the time without costly automated movement systems. This can significantly increase the throughput of automatic production lines. All sensors of the laser, LED, and high-power series can be attached to the respective PaintChecker Industrial Multi model.

PaintChecker *High-power Models*

For measuring thick coatings with containing high amounts of glass or ceramics, we recommend the high-power version of the controllers. The otherwise functionally identical high-power controllers provide the required higher performance.

In addition to the higher excitation power, the associated high-power sensors have a larger measuring distance and a higher energy density, making it easier to position the part during the measurement.

PaintChecker Industrial Controller

Technical Data | Controller Industrial						
Model	**LP**	**LED**	**HP**	**Multi**	**Multi LED**	**Multi HP**
Order number	C22-0300-03	C22-0300-01 (LED-B) C22-0300-02 (LED-R)	C22-0300-04	C21-0300-07	C21-0300-05 (LED-B) C21-0300-06 (LED-R)	C21-0300-08
Sensor outputs	1	1	1	8	8	8
Sensor type	Laser	LED	High-power Laser	Laser	LED	High-power Laser
Eye-safe	yes	yes	no	yes	yes	no
Operating voltage	100 - 230 V AC, 50 - 60 Hz					
Power dissipation	150 W	200 W	150 W	150 W	200 W	300 W
Dimensions (L x W x H)	330 x 272 x 110 mm					
Weight	13.5 kg					
Interfaces	ProfinetIO / DeviceNet / Ethernet/IP: RJ45 ASCII commands / OS-Manager: USB					
Humidity	0 - 90 %, non-condensing					
Operating temperature	10 - 40 °C					
Storage temperature	0 - 50 °C					
IP Code	IP50					
Measurement procedure according to ...	DIN EN 15042-2					

Delivery Contents & Accessories

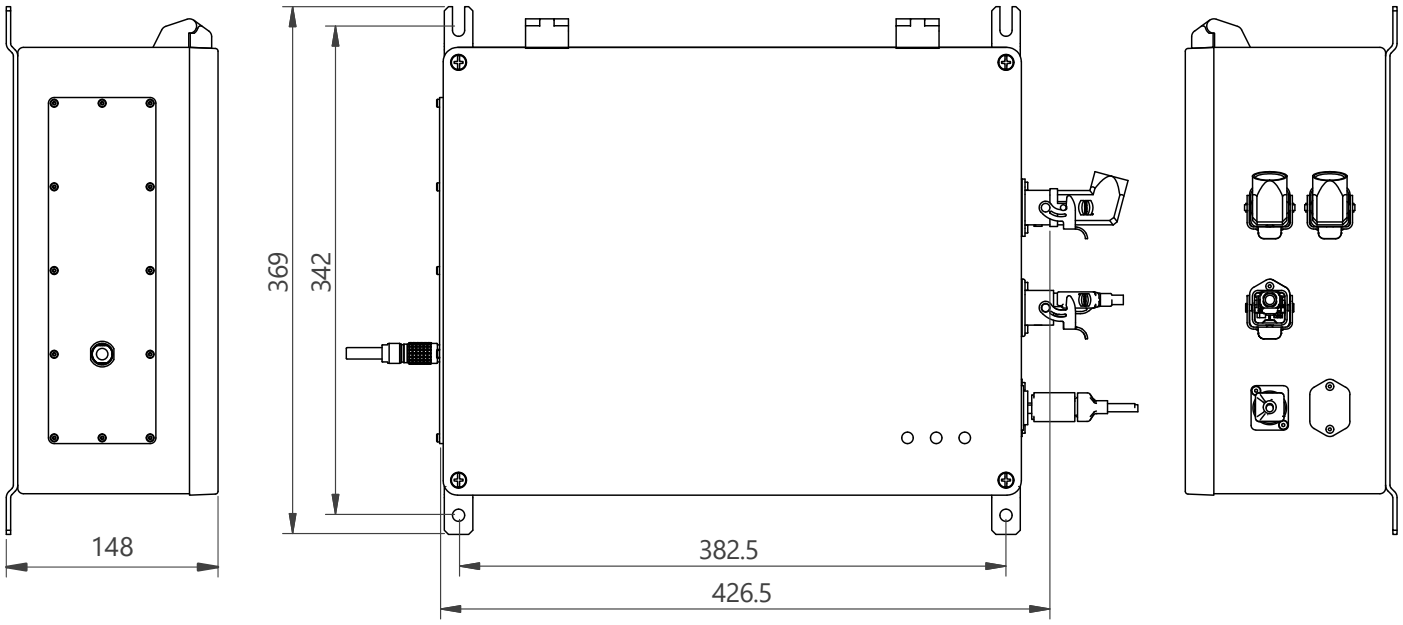
Delivery contents

- PaintChecker Controller
- Supply and power cords
- OS Manager software
- User manual (digital)

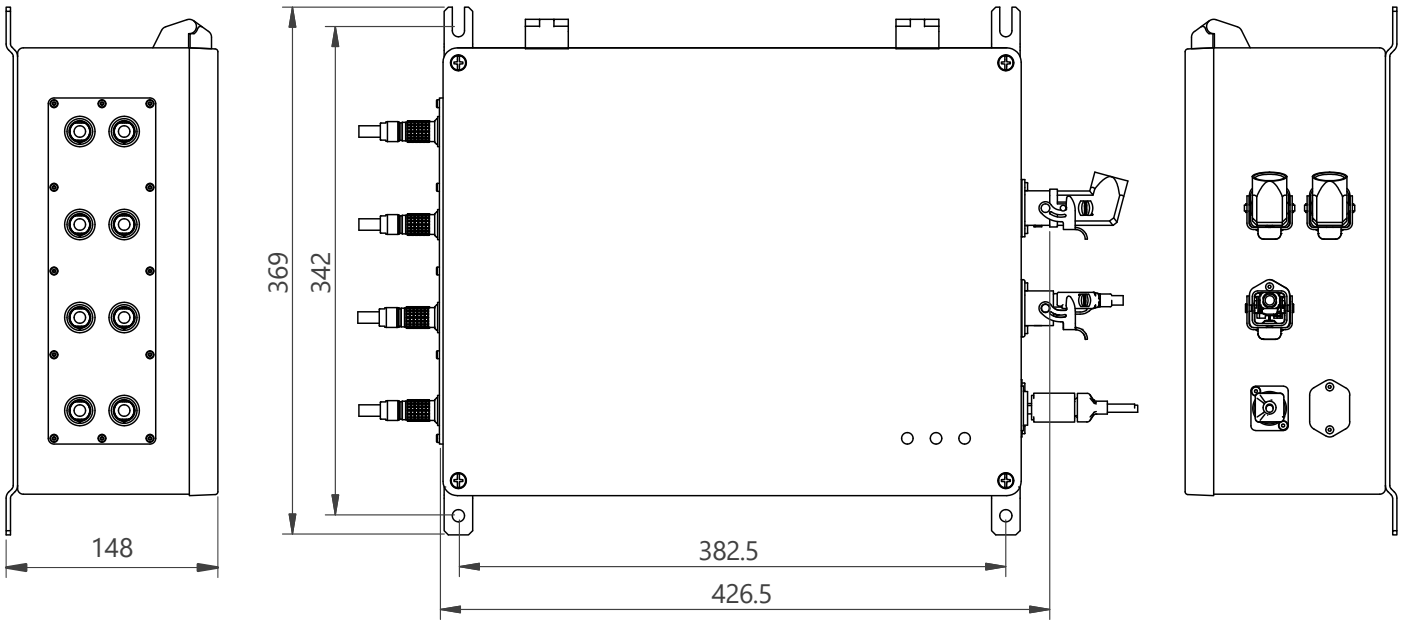
Accessories

- Further calibrations
- Reference glass (NG1)
- Dynamic temperature compensation

Dimensional Drawing | Controller Industrial



Dimensional Drawing | Controller Industrial Multi



25 YEARS

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OptiSense is certified according to DIN EN ISO 9001:2015
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