

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.



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	C22-0300-07	C22-0300-05 (LED-B) C22-0300-06 (LED-R)	C22-0300-08
Sensor outputs	1	1	1	8	8	8
Sensor type	Laser	LED	High-power Laser	Laser	LED	High-power Laser
Measurement procedure according to ...	DIN EN ISO 2808:2019 DIN EN 15042-2					
Operating voltage	U _~ = 100-240 V; f _~ = 50/60 Hz					
Power dissipation	400 W					
Dimensions (L x W x H)	369 x 426,5 x 148 mm					
Weight	13.5 kg					
Interfaces	Profinet IO / deviceNet / NativeIP: RJ45 USB					
Humidity	0 - 90 %, non-condensing					
Operating temperature	10 - 40 °C					
Storage temperature	0 - 50 °C					
IP Code	IP50					



Delivery Contents & Accessories

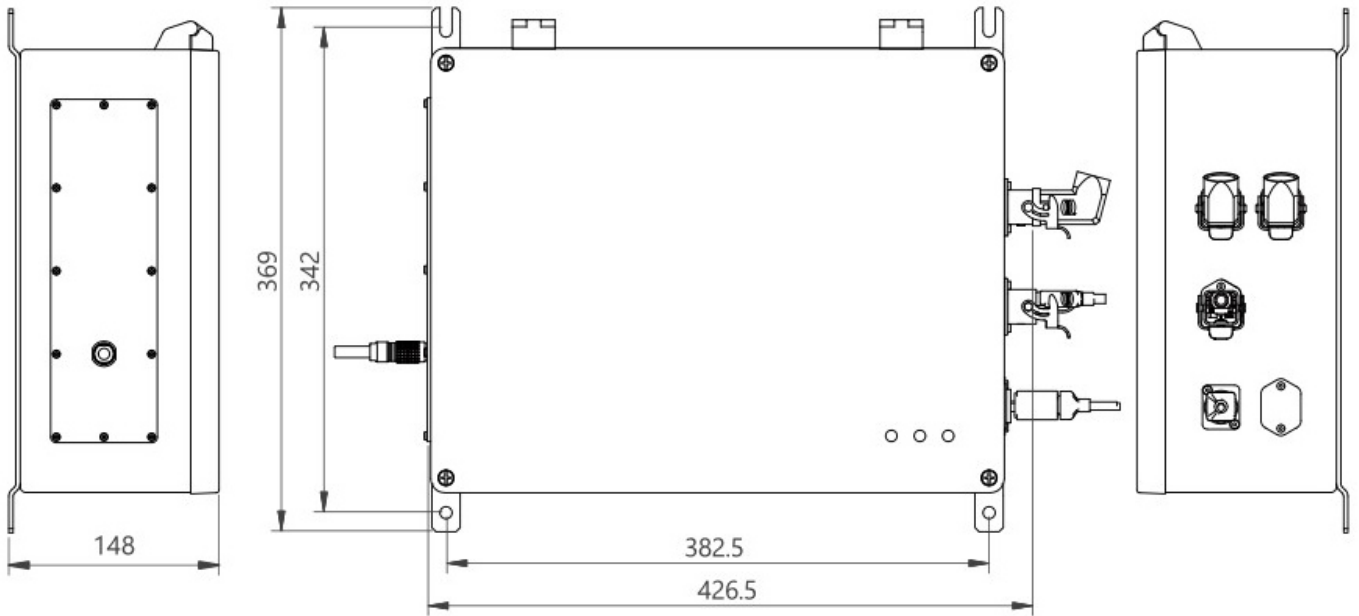
Delivery contents

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

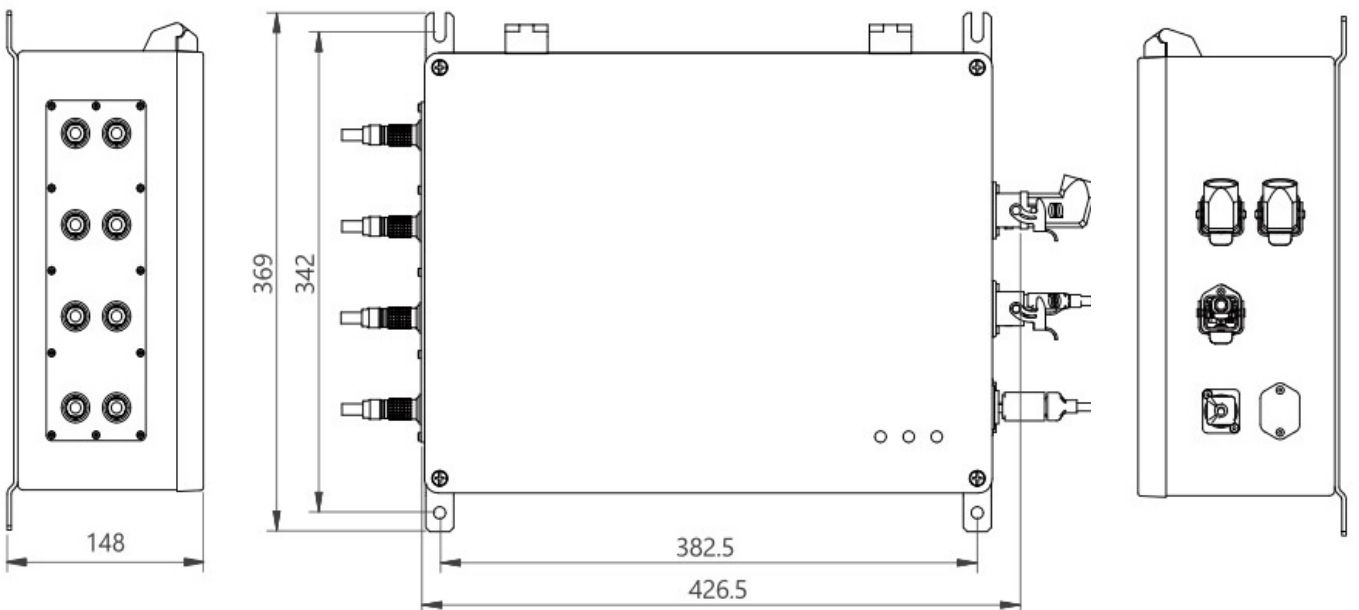
Accessories

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

Dimensional Drawing | Controller Industrial



Dimensional Drawing | Controller Industrial Multi



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OptiSense is certified according
to DIN EN ISO 9001:2015
WEEE-Reg.-No. DE 69647320

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