**Assembly Instructions**

**scanCONTROL 26xx/29xx**

**Proper Environment**
- Protection class: IP65 (applies only when the sensor cable is plugged in)
- Optical inputs are excluded from protection class. Contamination leads to impairment or failure of the function.
- Min. cooling capacity: 940 W
- Max. sensor temperature: 45 °C

**Unpacking / Included in Delivery**
- 2 cooling plates (only with protection and cooling housing)
- 2 base plates
- 1 protective plate
- 2 protective glasses

**Sensor Mounting, Dimensions**

<table>
<thead>
<tr>
<th>Part Description</th>
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<tr>
<td>2 Object carrier</td>
<td></td>
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<tr>
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<td></td>
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<tr>
<td>4 Base plate, left</td>
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<tr>
<td>5 Scanner</td>
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<tr>
<td>6 Cooling plate, right (only with water cooling)</td>
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<tr>
<td>7 Base plate, right</td>
<td></td>
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<td>8 Protective plate</td>
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**Use**
In dirty environments and with increased ambient temperatures, it is recommended to operate the scanner with a protection and/or cooling housing. The protection and cooling housings are optional accessories. Their use may impair the linearity of the sensor in the complete system which is why a referenced measurement is recommended. Installation of the scanners into the protective housings should be performed by the manufacturer.

The scanner may only be operated within the limits specified in the technical data. The scanner must be used in such a way that no persons are endangered or machines are damaged in case of malfunctions or total failure of the scanner. Take additional precautions for safety and damage prevention for safety-related applications.

**Variants**
- Protection housing with blow-out system and air supply connection, article 2105058
- Protection housing with blow-out system, air supply connection and water connections for cooling, article 2105059

**Protection housing scanCONTROL LLT26/29**
Adaptive protection housing for scanCONTROL 26xx/29xx
- Measuring ranges 25 - 100 mm
- Air supply of the optical path
- Exchangeable protective glass

**Protection and cooling housing scanCONTROL LLT26/29**
Adaptive protection and cooling housing for scanCONTROL 26xx/29xx
- Measuring ranges 25 - 100 mm
- Air supply of the optical path
- Exchangeable protective glass
- Water cooling circuit for sensor cooling (ambient temperatures up to 85 °C)
Mounting of Protection Housing

If the protection or cooling housing is installed subsequently, make sure that the product labels are removed from the scanner (on the sides). Join the right base plate to the protective glass slot. Insert the right cooling plate. Centering pins hold the cooling plate in place. Remove the protective film from the heat-conducting pad. Join the scanner to the right cooling plate. Join the left base plate to the left cooling plate to the sensor.

Mounting of Protection and Cooling Housing

Join the right base plate to the protective glass slot. Insert the right cooling plate. Centering pins hold the cooling plate in place. Remove the protective film from the heat-conducting pad. Join the left base plate with the left cooling plate to the sensor. Join the left base plate with the left cooling plate to the scanner.

Pressing the scanner onto the protective glass slot in order to avoid gap formation ensures proper function of the blow-out system.

Remove the protective film from the heat-conducting pad. Join the scanner to the right cooling plate. Join the left base plate to the left cooling plate.

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Pressing the scanner onto the protective glass slot in order to avoid gap formation ensures proper function of the blow-out system.

Mounting of Protection Housing

Join the scanner to the left base plate with the protective glass slot. Join the right base plate to the scanner.

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Mounting of Protection Housing

Join the scanner to the left base plate with the protective glass slot.

Laser Class Marking

The scanCONTROL 26xx/29xx sensors operate with a semiconductor laser with a wavelength of 658 nm (visible/red) or 405 nm (visible/blue). The operation of the laser is indicated by an LED on the sensor. The laser warning signs are concealed by the protection housings or had been removed prior to mounting. Additional stickers (warning signs etc.) are included in the delivery. Stick the signs according to the laser class of your scanner on the protection or cooling housing, front and rear.

2M laser class

The scanCONTROL 26xx/29xx sensors operate with a semiconductor laser with a wavelength of 658 nm (visible/red) or 405 nm (visible/blue). The operation of the laser is indicated by an LED on the sensor. The laser warning signs are concealed by the protection housings or had been removed prior to mounting. Additional stickers (warning signs etc.) are included in the delivery. Stick the signs according to the laser class of your scanner on the protection or cooling housing, front and rear.

3B laser class

The scanCONTROL 26xx/29xx sensors operate with a semiconductor laser with a wavelength of 658 nm (visible/red) or 405 nm (visible/blue). The operation of the laser is indicated by an LED on the sensor. The laser warning signs are concealed by the protection housings or had been removed prior to mounting. Additional stickers (warning signs etc.) are included in the delivery. Stick the signs according to the laser class of your scanner on the protection or cooling housing, front and rear.

3D laser class

The scanCONTROL 26xx/29xx sensors operate with a semiconductor laser with a wavelength of 658 nm (visible/red) or 405 nm (visible/blue). The operation of the laser is indicated by an LED on the sensor. The laser warning signs are concealed by the protection housings or had been removed prior to mounting. Additional stickers (warning signs etc.) are included in the delivery. Stick the signs according to the laser class of your scanner on the protection or cooling housing, front and rear.