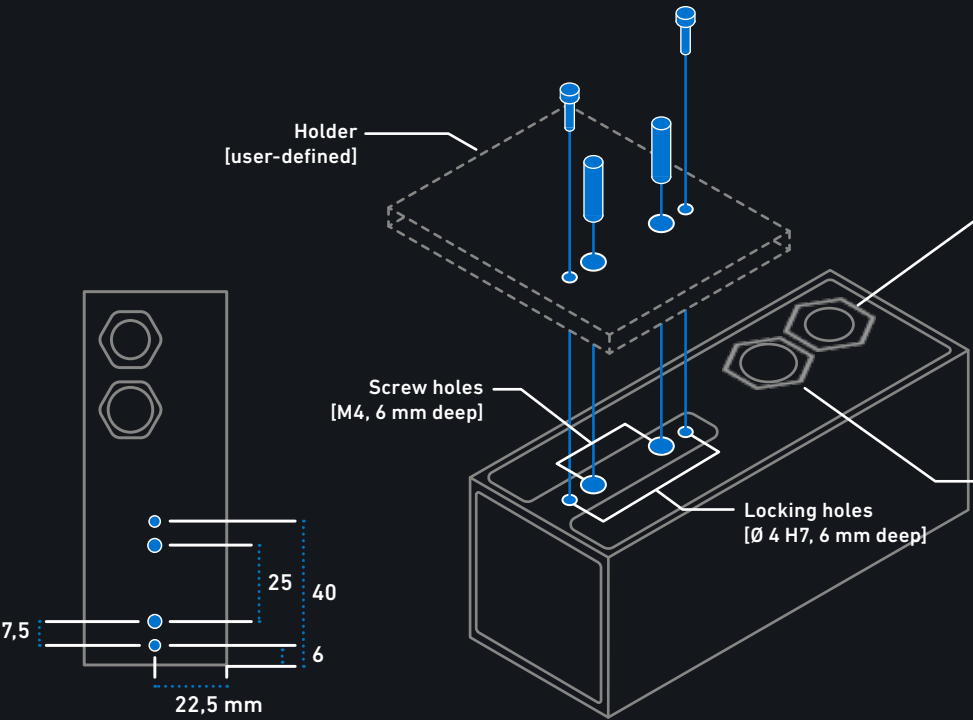


1. ASSEMBLY

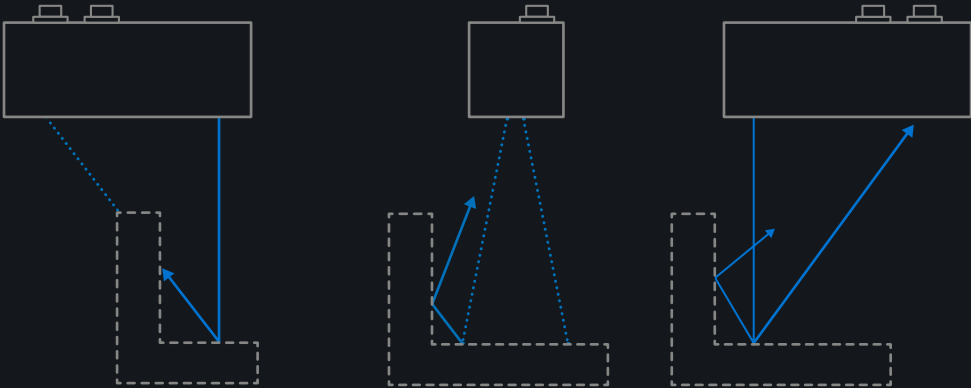
QUICKSTART VISIONSCANNER 4

Attach the sensor as intended. For the intended use, **locking pins** must be used during installation as shown.



Avoid shading the camera by other objects.

Please note that reflective surfaces can lead to unwanted reflections.



2. CONNECT

Connect the sensor to the cables **after** it is attached.

CONTROL CABLE



The **LASER ENABLE** signal (control cable, pin no. 2) of the sensor should be switched by a safety controller. Otherwise, safe shutdown of the laser in a hazardous situation is not guaranteed. Please also observe the regulations in the **AI VISIONELEMENTS4 MANUAL**, section "Residual risks".

Device connector for power supply – M12 plug, 4-pin, A-coded

Connection	Pin no.	Signal	Voltage range	Remark
2	1	+24V DC	24V ± 20%	Supply voltage (max. 3.15A)
	2	LASER ENABLE	0 – 24V	Laser enable (24V input)
3	3	GND, 0V	-	Ground, 0V voltage supply
	4	IO OUT	0 – 24V	Digital output
	Shield			Connect to pin 3 = ground

Device connector for Ethernet – M12 socket, 8-pin, X-coded

Connection	Pin no.	Signal	RJ45 Pin	Remark
6	1	ETH_A_CONN+	1	Transmit data Ethernet A +
	2	ETH_A_CONN-	2	Transmit data Ethernet A -
5	3	ETH_B_CONN+	3	Transmit data Ethernet B +
	4	ETH_B_CONN-	6	Transmit data Ethernet B -
4	5	ETH_C_CONN+	7	Transmit data Ethernet C +
	6	ETH_C_CONN-	8	Transmit data Ethernet C -
3	7	ETH_D_CONN+	5	Transmit data Ethernet D +
	8	ETH_D_CONN-	4	Transmit data Ethernet D -
	Shield			Connected to connector housing

QUICK CHECK

Switch on the 24V power supply and the "Power on" LED must light up.



3. INSTALLATION OF THE SOFTWARE

The VISIONELEMENTS4 software is required to operate the VISIONSCANNER4. Please contact our sales department.

SAFETY

INTENDED USE

The VISIONSCANNER4 sensor may only be used as a triangulation sensor for industrial, fully automated, optical inspection and measurement applications. The VISIONSCANNER4 sensor must always be used as a component of a customized measuring system (consisting of sensor, kinematics and specific software), which in turn is installed in an automated production system. The latter must be designed and operated in accordance with all relevant safety regulations.

VISIONSCANNER4 sensors can be used to inspect geometric features on workpieces that have sufficient diffuse reflection and cannot be ignited by the VISIONSCANNER4 laser beam.

Operation of the sensor requires consideration of and compliance with the permissible technical data. Intended use also includes

- observing all instructions in this QUICKSTART and the OPERATION MANUAL
- compliance with the service intervals of the maintenance schedule specified in the OPERATION MANUAL



Any other or additional use shall be deemed to be **not as intended!** The device may only be operated under the ambient conditions specified in the technical data.

In the interests of safe and reliable operation, the appliance must only be installed and operated by suitably qualified personnel.



LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
IEC 60825-1 Ed. 3

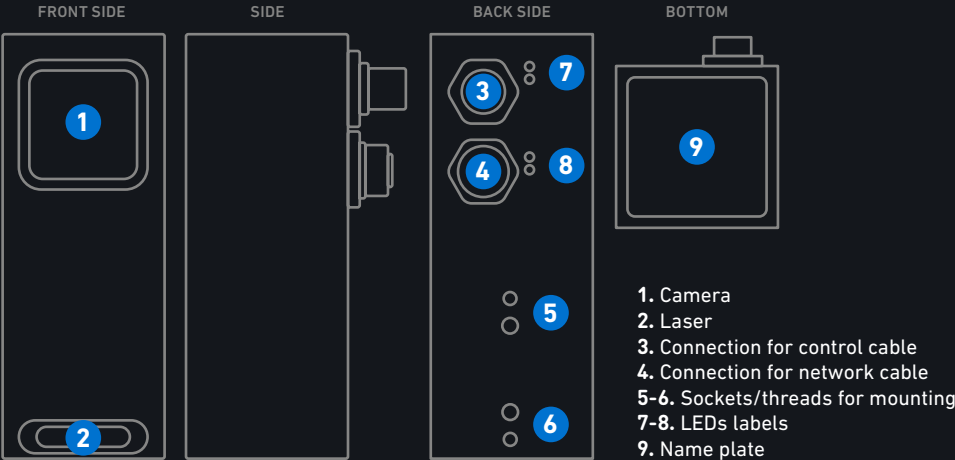
Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 56, dated Feb. 21st, 2023

The VISIONSCANNER4 is a class 2 laser product according to **IEC 60825-1 Ed. 3**.

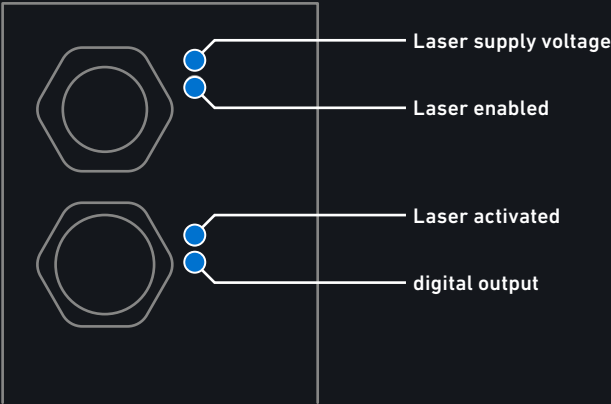
CLEANING

Please refer to the operation manual for cleaning instructions.

INFORMATION



MEANING OF THE LED DISPLAY



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