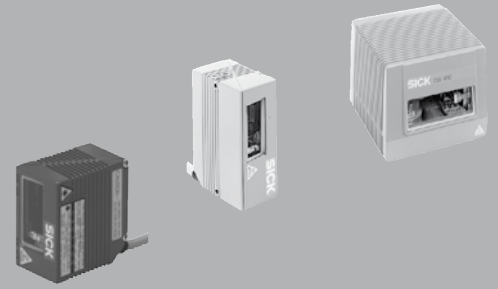


Bar code scanners CLV41x to CLV45x CLV490



New version of laser standard EN/IEC 60825-1:2014

This Technical Information Sheet updates the operating instructions of the aforementioned devices with information on laser warning labels and laser warning notes that have been changed:



CAUTION

Optical radiation: Laser class 2

The human eye is not at risk when briefly exposed to the radiation for up to 0.25 seconds. Exposure to the laser beam for longer periods of time may cause damage to the retina. The laser radiation is harmless to human skin.

- Do not look into the laser beam intentionally.
- Never point the laser beam at people's eyes.
- If it is not possible to avoid looking directly into the laser beam, e.g., during commissioning and maintenance work, suitable eye protection must be worn.
- Avoid laser beam reflections caused by reflective surfaces. Be particularly careful during mounting and alignment work.
- Do not open the housing. Opening the housing will not switch off the laser. Opening the housing may increase the level of risk.
- Current national regulations regarding laser protection must be observed.

It is not possible to entirely rule out temporary disorienting optical effects, particularly in conditions of dim lighting. Disorienting optical effects may come in the form of dazzle, flash blindness, afterimages, photosensitive epilepsy, or impairment of color vision for example.

Subject to change without notice

CLV41x Bar Code Scanner

■ CLV41x operating instructions (part no. 8009974, English edition), release 0079, 2004-09-01

Page 2-2 to 2-3:

The device meets the criteria of laser class 2 according to EN/IEC 60825-1:2014. The laser class is identical with norm version EN/IEC 60825-1:2007. This ensures compliance with 21 CFR 1040.10 except for the tolerances according to Laser Notice No. 50 of June 24, 2007 and its following versions.

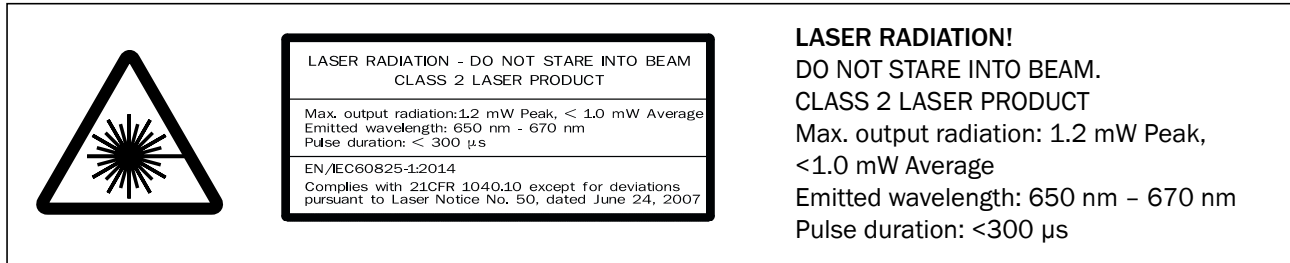


Fig. 2-1: Black-yellow laser warning sign and English warning label on the CLV41x

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Fig. 4-1: Example line scanner: replacing the English laser warning label by the French or German label

CLV42x Bar Code Scanner

■ CLV42x operating instructions (part no. 8009981, English edition), Stand 0078, 2004-08-16

Page 2-2 to 2-3:

The device meets the criteria of laser class 2 according to EN/IEC 60825-1:2014. The laser class is identical with norm version EN/IEC 60825-1:2007. This ensures compliance with 21 CFR 1040.10 except for the tolerances according to Laser Notice No. 50 of June 24, 2007 and its following versions.

CLV420
CLV422

LASER RADIATION - DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT
Max. output radiation: 1.2 mW Peak, < 1.0 mW Average Emitted wavelength: 650 nm - 670 nm Pulse duration: < 300 µs
EN/IEC60825-1:2014 Complies with 21CFR 1040.10 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007

LASER RADIATION!
DO NOT STARE INTO BEAM.
CLASS 2 LASER PRODUCT
Max. output radiation: 1.2 mW Peak,
<1.0 mW Average
Emitted wavelength: 650 nm – 670 nm
Pulse duration: <300 µs

CLV421

LASER RADIATION - DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT
Max. output radiation: 3.25 mW Peak, <1.0 mW Average Emitted wavelength: 650 nm - 670 nm Pulse duration: < 300 µs
EN/IEC60825-1:2014 Complies with 21CFR 1040.10 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007

LASER RADIATION!
DO NOT STARE INTO BEAM.
CLASS 2 LASER PRODUCT
Max. output radiation: 3.25 mW Peak,
<1.0 mW Average
Emitted wavelength: 650 nm – 670 nm
Pulse duration: <300 µs

Fig. 2-1: Black-yellow laser warning sign and English warning label on the CLV420/422 respectively CLV421

Page 4-2:

A grey laser line scanner is shown from a three-quarter front view. It has a series of vertical cooling fins on its side. A black cable is connected to the bottom. A white label on the top right of the device points with a line to the 'Included label set' section. The device has a warning triangle on the top left and a small label on the top right that reads 'CAUTION - DO NOT STARE INTO BEAM' and 'LOW RADIATION RISK'. The main label on the front left contains technical specifications and safety information.

Included label set:
(set for the CLV421 pictured here)

RAYONNEMENT - NE PAS REGARDER DANS LE FAISCEAU
APPAREIL A LASER DE CLASSE 2

Puissance max. du rayonnement: 3,25 mW valeur crête,
< 1,0 mW valeur moyenne
Durée d'impulse: < 300 µs, Longueur d'onde: 650 - 670 nm

EN/IEC60825-1:2014
Complies with 21CFR 1040.10 except for deviations
pursuant to Laser Notice No. 50, dated June 24, 2007

LASERSTRAHLUNG - NICHT IN DEN STRAHL BLICKEN
LASER KLASSE 2

Max. Leistung: 3,25 mW je Puls, < 1,0 mW gemittelt
Wellenlänge: 650 nm - 670 nm
Impulsdauer: < 300 µs

EN/IEC60825-1:2014
Complies with 21CFR 1040.10 except for deviations
pursuant to Laser Notice No. 50, dated June 24, 2007

Fig. 4-1: Example line scanner: replacing the English laser warning label by the French or German label

CLV43x Bar Code Scanner

■ CLV43x/44x operating instructions (part no. 8008568, English edition), release K949, 2002-06-10

Page 2-2 to 2-3:

The device meets the criteria of laser class 2 according to EN/IEC 60825-1:2014. The laser class is identical with norm version EN/IEC 60825-1:2007. This ensures compliance with 21 CFR 1040.10 except for the tolerances according to Laser Notice No. 50 of June 24, 2007 and its following versions.

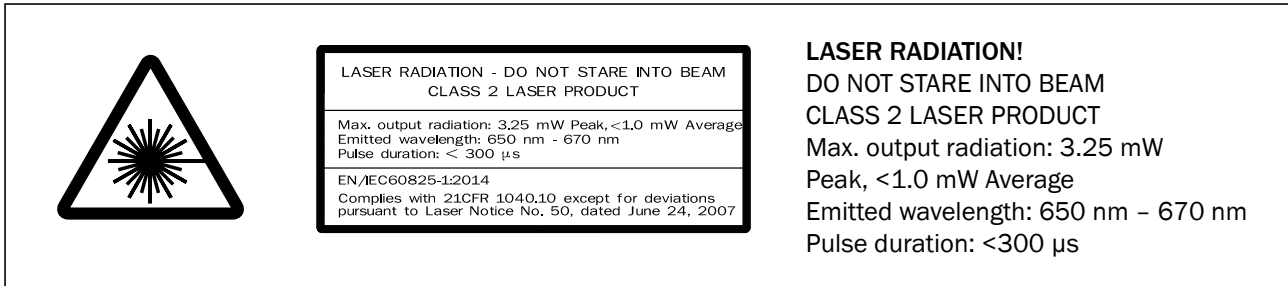


Fig. 2-1: Black-yellow laser warning sign and English warning label on the CLV43x

Page 4-2:



Abb. 4-1: Example line scanner: replacing the English laser warning label by the French or German label

CLV45x Bar Code Scanner

■ CLV45x operating instructions (part no. 8009139, English edition), release K949, 2002-06-06

Page 2-2:

The device meets the criteria of laser class 2 according to EN/IEC 60825-1:2014. The laser class is identical with norm version EN/IEC 60825-1:2007. This ensures compliance with 21 CFR 1040.10 except for the tolerances according to Laser Notice No. 50 of June 24, 2007 and its following versions.

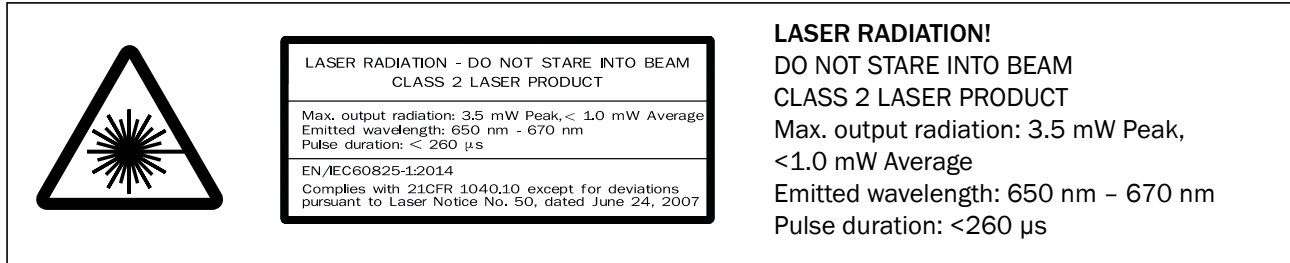


Fig. 2-1: Black-yellow laser warning sign and English warning label on the CLV45x

Page 4-2:

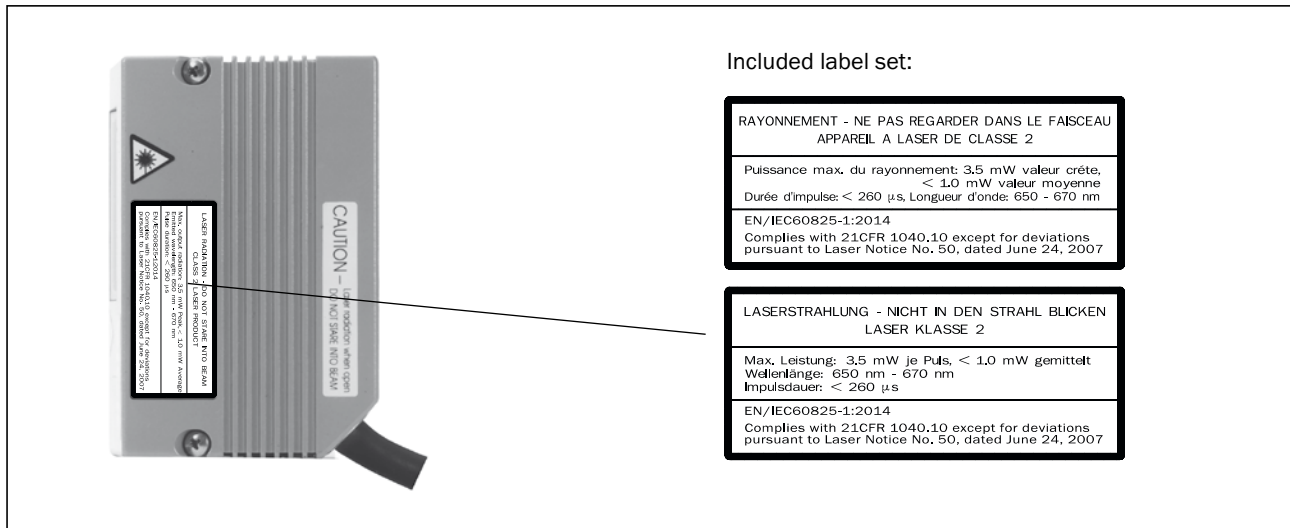


Fig. 4-1: Example line scanner: replacing the English laser warning label by the French or German label

CLV490 Bar Code Scanner

■ CLV490 (operating instructions (part no. 8009993, English edition), release RA61, 2007-07-20

Page 2-2 to 2-3:

The device meets the criteria of laser class 2 according to EN/IEC 60825-1:2014. The laser class is identical with norm version EN/IEC 60825-1:2007. This ensures compliance with 21 CFR 1040.10 except for the tolerances according to Laser Notice No. 50 of June 24, 2007 and its following versions.

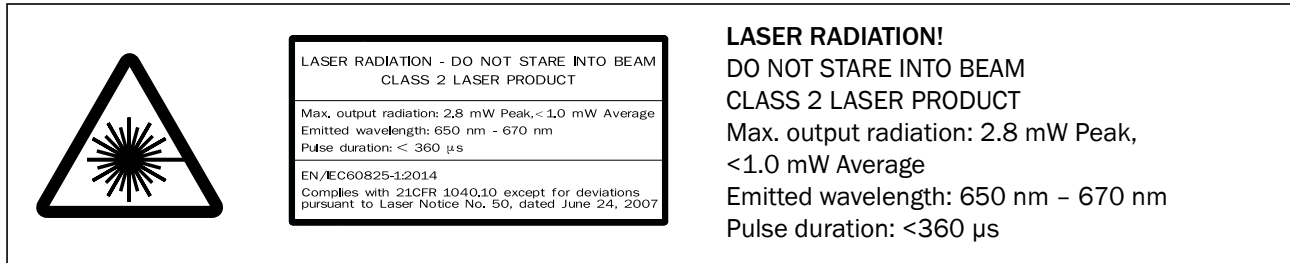


Fig. 2-1: Black-yellow laser warning sign and English warning label on the CLV490

Page 4-2:

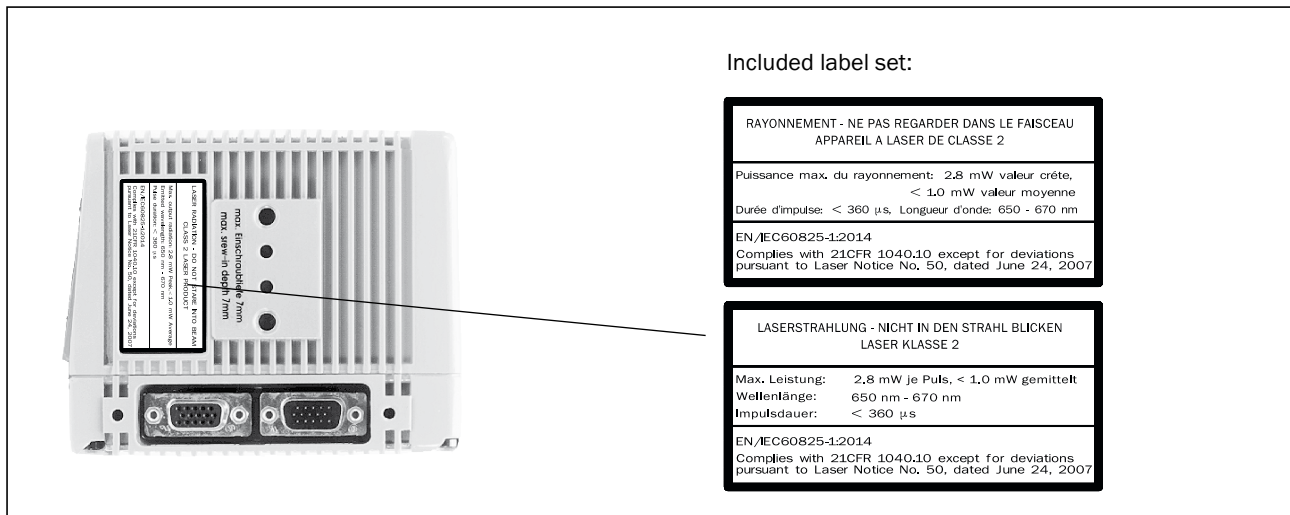


Fig. 4-1: Example line scanner: replacing the English laser warning label by the French or German label

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