CLV44x
Well proven – dynamic range – multi-functional

SICK
Sensor Intelligence.

CLV44x

Technical data overview

Optical focus	Dynamic focus control
Aperture angle	≤ 50°
Scanning frequency	300 Hz ... 800 Hz
Code resolution	0.15 mm ... 1 mm (depending on type)
Reading distance	30 mm ... 840 mm (depending on type)
Weight	480 g / 620 g (depending on type)

Product description

The CLV44x series of bar code scanners offer dynamic focus control, long reading distances and great depth of field. This compact IP 65-rated bar code scanner series offers SMART code recognition technology ensuring accurate read rates, even with damaged or poorly printed codes. The reflector polling feature eliminates the need for additional triggering sensors. And, the dynamic focus control feature allows the CLV44x series to accommodate a large depth of field by dynamically adjusting its focus position to the object distance. It is available with an oscillating mirror for applications where the bar code label position varies. The oscillating mirror version can also be used in static applications where the bar code location is poorly defined.

At a glance

- Dynamic focus control in real time
- Reliable code recognition in real time using SMART code reconstruction
- Immune to ambient light
- Auto setup ensures automatic optimizing of reading performance
- Reflector polling provides automatic triggering
- Profile programming included
- Adjustable scanning frequency – can be set to up to 800 Hz

Your benefits

- SMART-enhanced read rates enable better performance with damaged or poorly printed codes
- Reliably reads barcodes with up to 30 degrees of tilt, increasing throughput
- Dynamic focus control allows the scanner to accommodate a large depth of field by dynamically adjusting the focus to the object distance
- No additional trigger light switch necessary due to the reflector polling function, reducing costs
- Easy to configure
- Short commissioning time
- Reliable operation
- Compact design and easy operation enable installation in situations with limited space
- Parameter cloning plug ensures very short MTTR

Ordering information

Other models and accessories → www.sick.com/CLV44x

- **Optical focus:** dynamic focus control
- **Enclosure rating:** IP65

Max. reading distance	Code resolution	Type	Part no.
≤ 335 mm	0.15 mm ... 0.25 mm	CLV442-0010	1017595
≤ 510 mm	0.2 mm ... 1 mm	CLV440-6010	1017984
≤ 840 mm	0.2 mm ... 1 mm	CLV440-0010	1017588
		CLV440-1010	1019093

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG | Waldkirch | Germany | www.sick.com

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