



For every orientation.  
CLX 490 Compact OMNI Scanner.  
With auto focus and tracking.

Omni Line

PRELIMINARY EDITION

**SICK**

# With auto focus and tracking.

## Compact solution for omnidirectional reading

Based on outstanding CLV 490, the new CLX 490 provides a very compact solution for omnidirectional scanning even at minimum gap between objects.

The complete functionality of Omni Scanning is now integrated into one compact industrial housing, providing same high speed scanning frequency as the CLV 490.



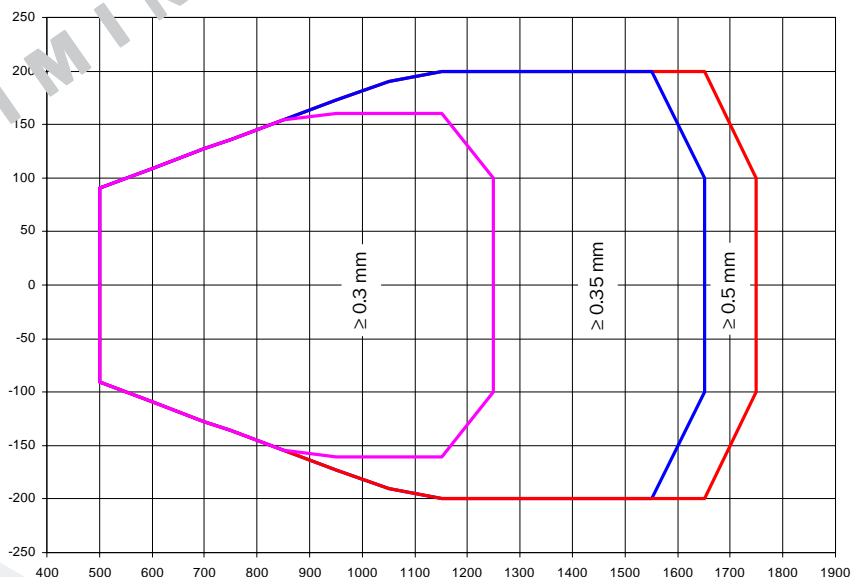
## The CLX 490 at a glance:

- X-scanner
- Tracking included for smallest gap between objects
- Max. scanning frequency 1200 Hz for complete x-pattern
- Real-time AUTO FOCUS function
- Reliable code recognition using SMART technology
- Smallest unit in its class
- Additional interface for external parameter memory
- Flash PROM
- Optional heater

### THE CLX 490 ADVANTAGES AT A GLANCE

- Same scanning frequency and decoding performance as for CLV 490 bar code scanner
- No additional components required to detect the object distance
- Automatic scanner parameterization minimizes tool down time in case of scanner exchange
- CLX 490 can also be used as additional bar code scanner in a SICK Omni Portal System, e.g. as scanner for side reading

Reading field height [mm]



**Reading conditions:**

Test code: code 128  
 Print contrast: > 90%  
 Ambient light: < 2000 lx

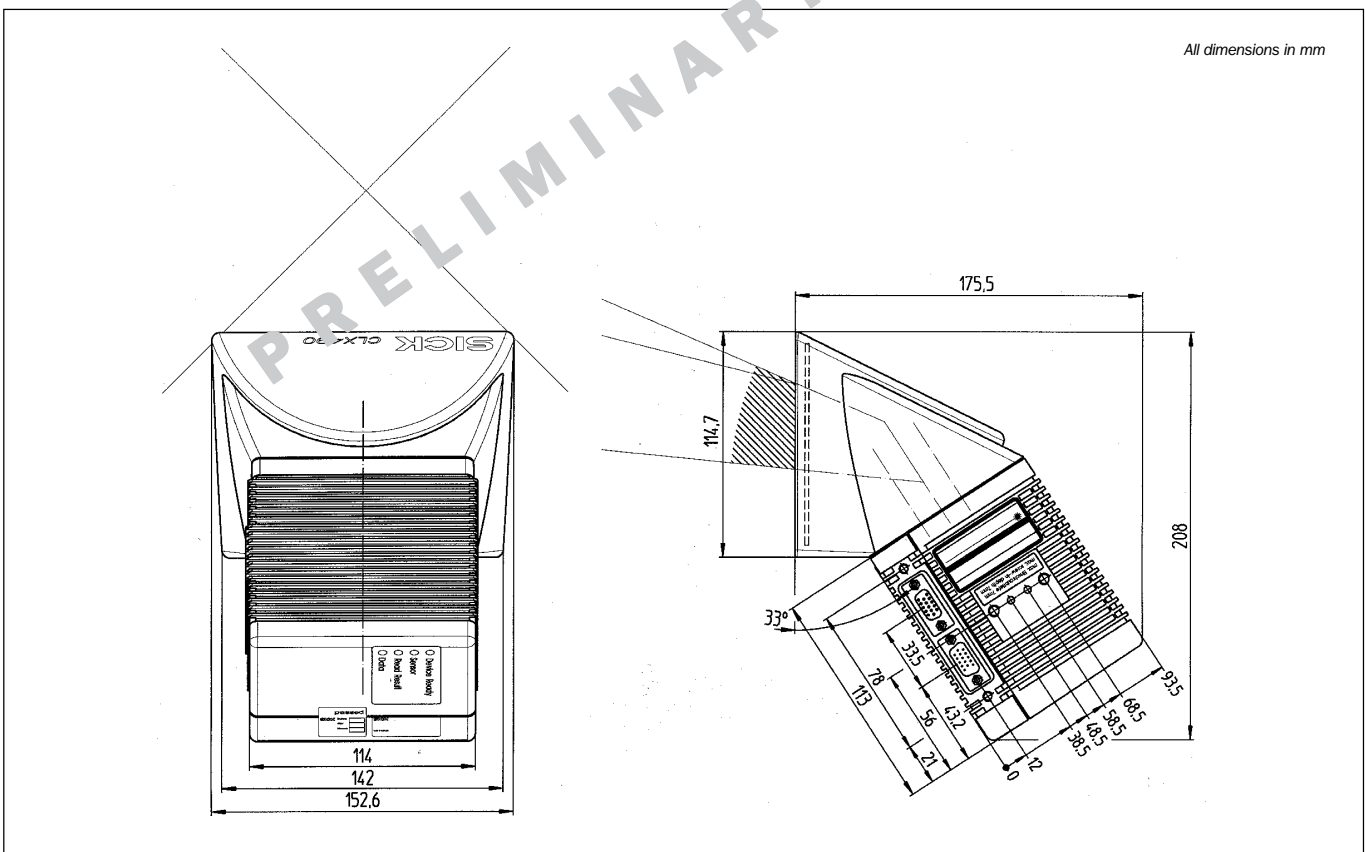
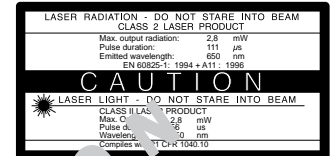
Tilt: omnidirectional  
 Pitch: -15° ... +15°  
 Skew: -15° ... +15°

Reading field diagram of CLX 490

Reading distance [mm]

**CLX 490 OMNI Scanner**

Design	X-scanner (2 lines crossed at 90°)
Light source	Laser diode, red light ( $\lambda = 650\text{ nm}$ )
Laser class	2 (to EN 60825-1)
Ambient light compability	2000 lx (on bar code)
Scanning frequency	600 ... 1200 Hz
Operation and parametrization	with Windows-based CLV-Setup software or command strings
Indicators	4 LED status indicators
Data interface	Host: RS 232, RS 422/485; Terminal: RS 232
Switching inputs/ outputs	6 x IN / 4 x OUT
Operating voltage	18 ... 30 V DC
Power consumption	typical 9 W, max. 16 W
Electrical connections	2 x 15pin D Sub-HD plug/socket
Housing	Die-cast aluminium
Enclosure rating	IP 65 (to DIN 40 050)
Protection class	class 3 (to VDE 0106)
EMC test	to IEC 801
Weight	approx. 2.2 kg
Temperature (ambient operating/storage)	0 ... +40 °C / -20 ... +70 °C



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