

CLV 440 / CLV 442

Bar Code Scanners

Advanced line



Compressed volume – Enhanced Reading Performance

The new bar code scanners CLV 440/442 represent the newest members of our high performance scanner family using dynamic focus control, extremely large reading distance and great depth of field. This all comes in a very compact and robust housing with IP 65 protection. These scanners were designed by incorporating innovative features into a miniaturized package size. SMART Code recognition technology leads to a definite increase of first good read rate. The Reflector Polling feature eliminates the necessity of additional photoelectric triggering switches. The dynamic focus control feature opens up a myriad of new applications with alternating reading distances.

Benefits:

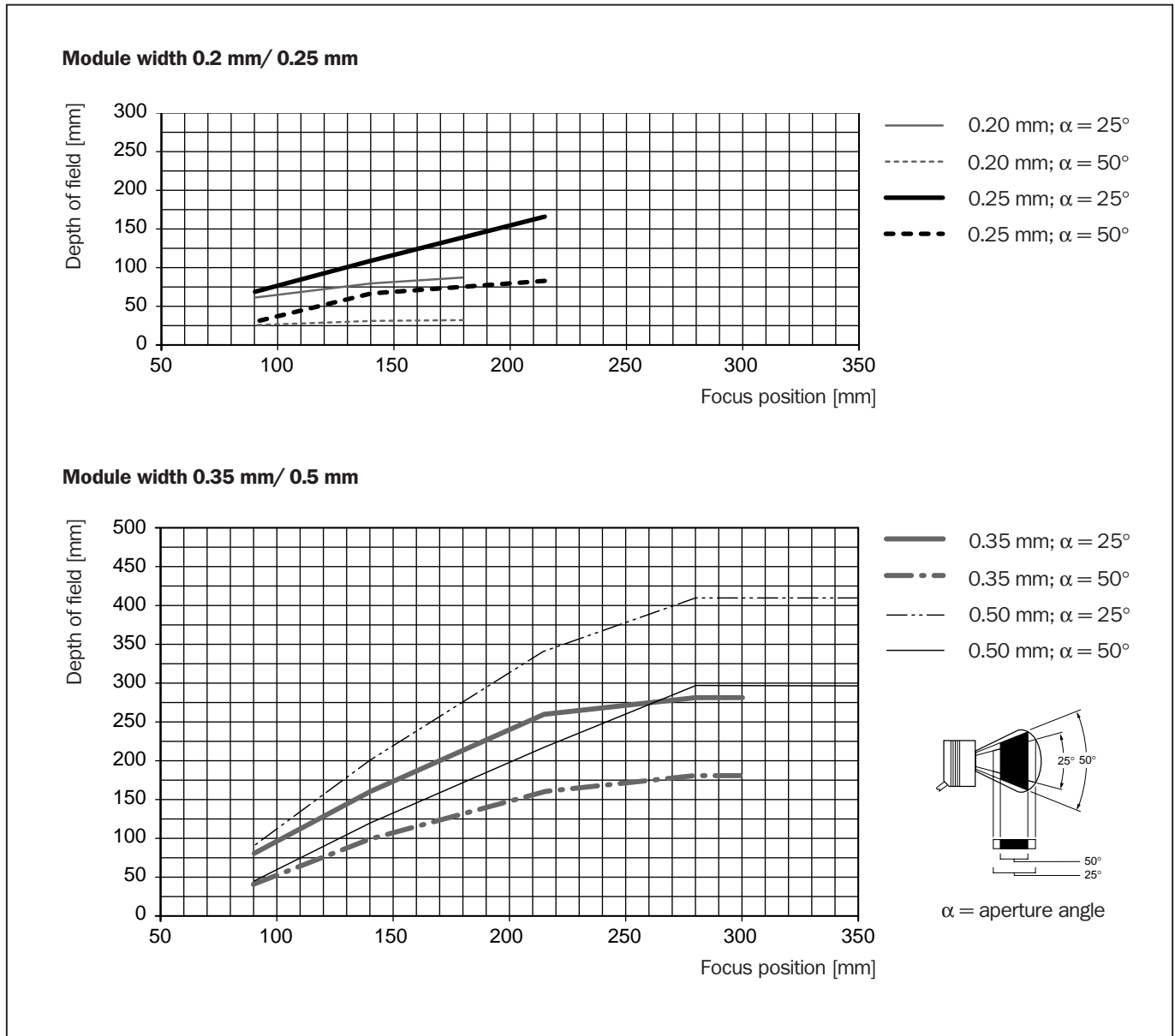
- Enhanced read rate even on damaged or dirty bar codes
- Cost savings for identification of bar codes at various angles thanks to attractive system design
- No additional photo-electric switch necessary for triggering
- Extremely easy handling
- Quick installation
- Highest availability
- High reliability

The CLV 440/442 at a glance:

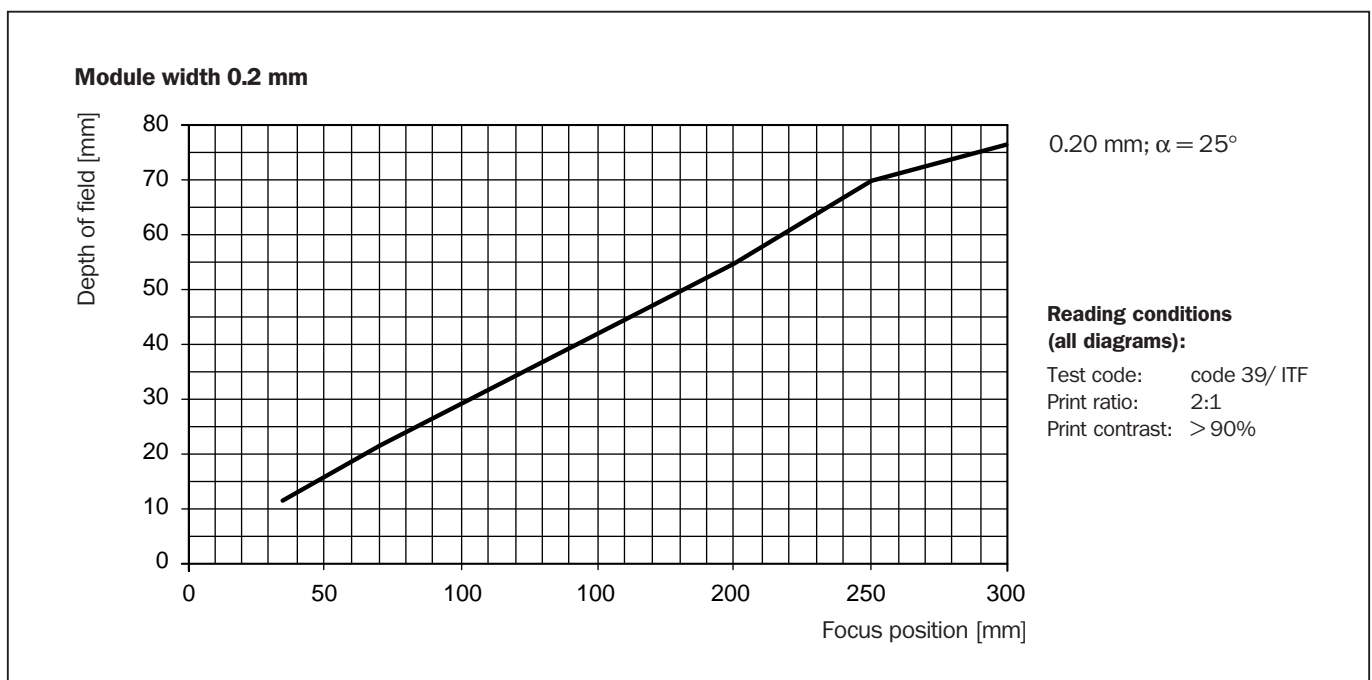
- Reliable code recognition in realtime using SMART technology
- Dynamic focus control in realtime
- Auto Collimation ensures high reading security
- Insensitive to ambient light and glare
- AutoSetup ensures automatic optimizing of reading performance
- Flash memory
- Reflector Polling generates an integrated trigger
- Profile Programming makes configuration easy
- Beeper confirms reading process
- Integrated power supply tolerates wide range of input voltage
- Compact housing for tight fits



CLV 440 Reading ranges (DOF)



CLV 442 Reading ranges (DOF)

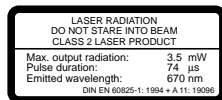


Technical data	CLV 440	CLV 442
Type	Standard	High density
Scanner design	Line scanner, option: raster scanner, lateral light emission	
Light source	Laser diode, red light ($\lambda = 670 \text{ nm}$)	
Ambient light compability	2000 lx (on bar code)	
Scanning-/ decoding frequency	300 ... 800 Hz	
Reading range	max. 8 focus positions, dynamic focus control	
Resolution	0.2 ... 1.0 mm	0.15 ... 0.35 mm
Operation/ parametrization	with user interface, command strings or profile programming	
Indicators	4 LED status indicators	
Data interface	Host: RS 232/ RS 422/485 ¹⁾ ; Terminal: RS 232	
Data transmission rate	Host: 300 ... 57,600 Bits/s; Terminal: 9,600 Bits/s	
Switching inputs/ -outputs	2 x IN / 2 x OUT	
Operating voltage/ power consumption	10 VDC ... 30 VDC/ 5 W	
Electrical connection	connection cable 0.9 m with 15pin plug (D Sub-HD)	
Housing	Die-cast zinc	
Enclosure rate/ protection class	IP 65 (to DIN 40 050)/ class 3 (to VDE 0106)	
EMC test	to IEC 801	
Weight	480 g with connection cable (lateral light emission: 500 g)	
Temperature (ambient operating/ storage)	0...+40 °C/ -20...+70 °C	

1) CL 20 mA: optional interface available in AMV/S 40 connection module



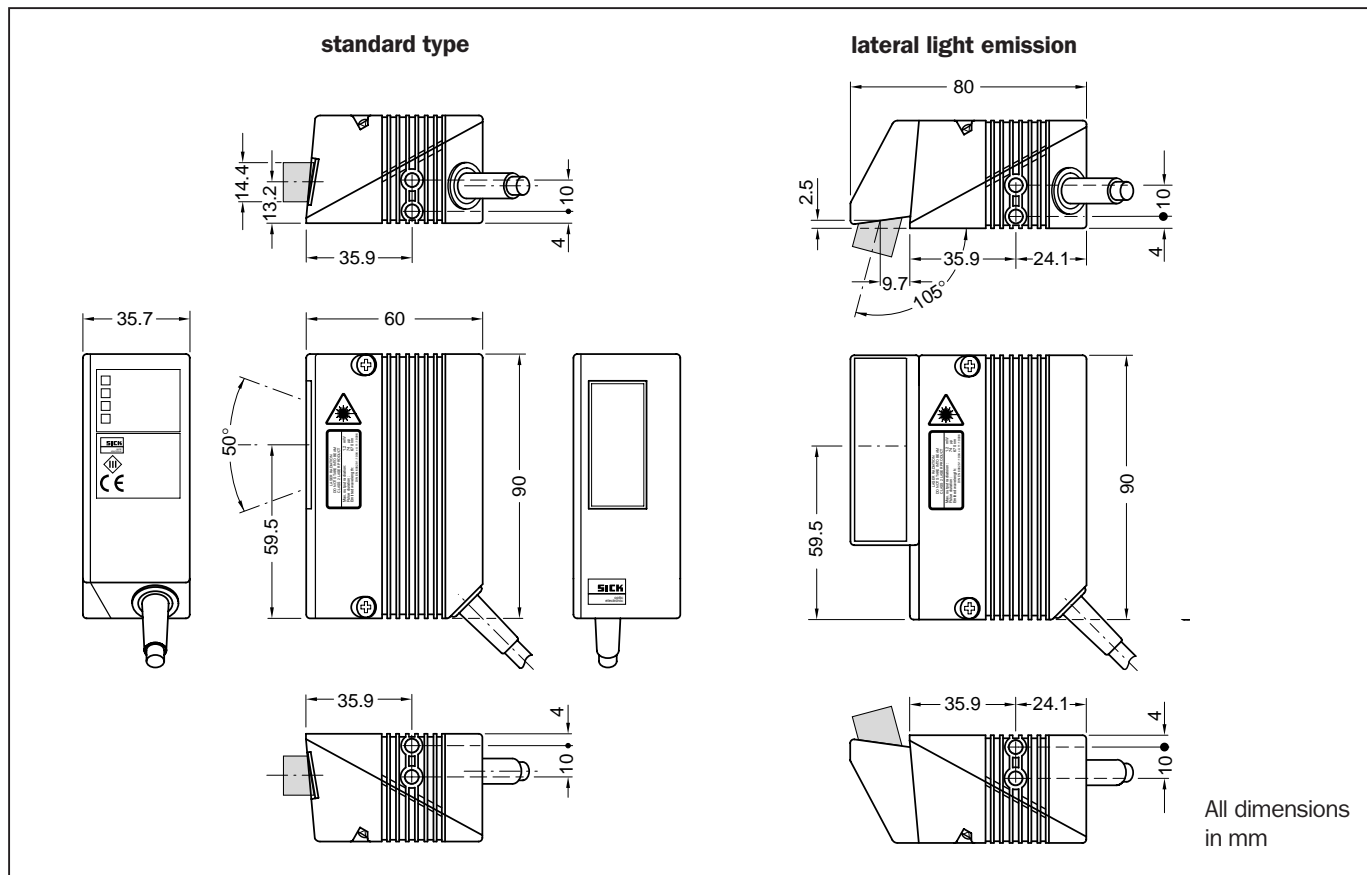
CLV 440:



CLV 442:



Dimensioned diagram



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