



Symbol SE950/SE955

OEM scan engine



FEATURES

Large working range

Meets the needs of a wide range of applications for increased productivity

Small and light scan engine

Easily optimize product designs

100 scans per second

Optimized scanning speed delivers aggressive performance and accurate capture of all bar codes — even damaged and poor quality

Low power consumption

Increases battery life in portable terminals

Bright scan line and aim mode

Provides intuitive ease-of-use across the entire working range

Miniature scan engine sets new standard for performance, features and reliability

The Symbol SE950/SE955 miniature scan engine sets a new benchmark, offering best-in-class quality, reliability, durability and scanning performance. Scanning across the wide working range is easy, intuitive and rapid, regardless of environment. The durable engine design enables you to deliver products that perform reliably day in and day out, increasing productivity and reducing total cost of ownership. Regardless of whether you are designing handheld computers, medical instruments, diagnostic equipment, lottery terminals, robotics and more, these extremely small scan engines deliver next-generation performance with an ease of integration that enables rapid cost-effective product development — a true competitive advantage.

Durability for all day every day use

The Symbol SE950/SE955 offers superior reliability you can count on, regardless of whether you are incorporating the Symbol SE950/SE955 into mobile computers or laboratory analyzers. The patented Liquid Polymer Scan Technology is frictionless and will not wear out. Designed for durability, the elimination of fragile silicon mirrors combined with the die cast chassis enables the Symbol SE950/SE955 to handle drop shocks up to 2000Gs. You enjoy maximum uptime — and a lower total cost of ownership.

Increased productivity

The highly advanced retro-collective optical design provides a superior working range, regardless of lighting or bar code symbology. Scanning speed is optimized to provide aggressive read times, and the programmable scan line is easily adjusted, providing the flexibility to use a single scan engine for a wide variety of uses. The result is the rapid and accurate scanning needed to improve worker productivity.

Lower total cost of ownership (TCO)

The Symbol SE950/SE955 enables the development of products that offer superior manageability. Built-in system performance monitoring enables remote access to scan engine statistics. Management of your products is easier, less time consuming and less expensive — a competitive advantage for you and a lower TCO for your customers.

Rapid and flexible integration

The miniature Symbol SE950/SE955 is designed to easily integrate into the products you design today — and tomorrow. The industry standard form factor allows you to easily upgrade your current scan engine without the expense of changing your tooling processes, allowing you to offer the latest technology without the time and cost associated with changing your production line. For more information on the Symbol SE950/SE955, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at: www.symbol.com/se950955

SPECIFICATION SHEET

SYMBOL SE950/SE955
OEM scan engine

Programmable scan angle

Provides flexibility to easily and cost-effectively customize products for specific applications

RoHS compliant

Meets RoHS requirements

Die cast zinc chassis and single board construction

Shock rating of 2,000G for outstanding durability

Liquid Polymer scan element

Eliminates friction and wear for superior durability and reliability

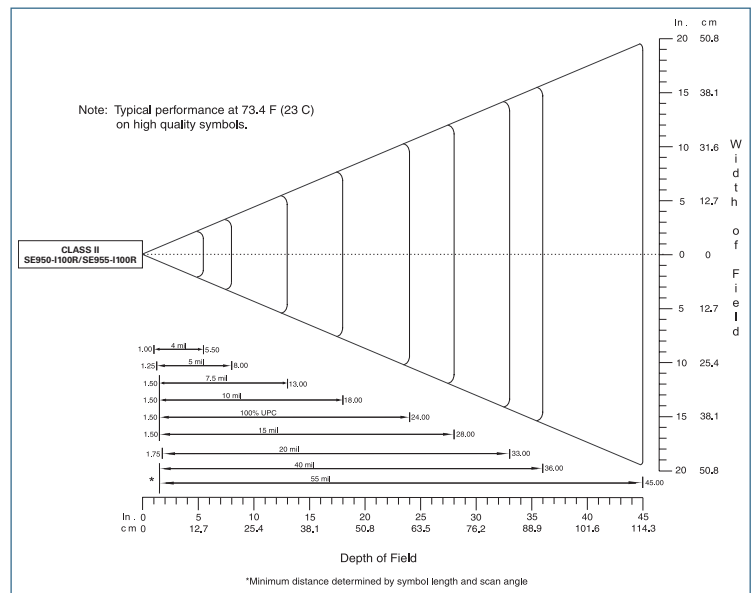
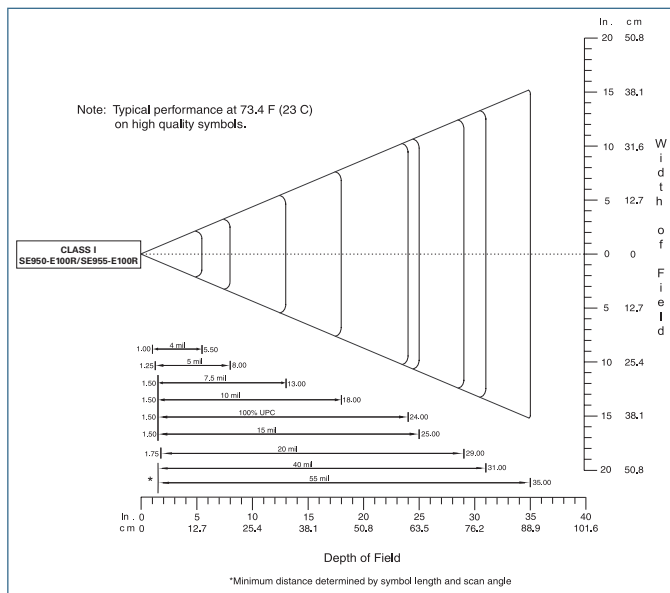
Flash upgradeable

Easy to upgrade software

Symbol SE950/SE955 Specifications

Physical Characteristics	SE950	SE955
Dimensions:	0.46 in. H x 0.85 in. W x 0.61 in. D (max) 11.55 mm H x 21.6 mm W x 15.5 mm (max)	SE-955, 3.3v: 0.47 in. H x 0.85 in. W x 0.61 in. D (max) 11.8 mm H x 21.6 mm W x 15.5 mm (max) SE-955, 5.0v: 0.48 in. H x 0.85 in. W x 0.89 in. D (max) 12.1 mm H x 21.6 mm W x 22.6 mm (max)
Weight:	< 8g / .28 oz.	< 8g / .28 oz.
Configurations:	Undecoded	Decoded
Performance Characteristics		
Scan Rate:	104 scans/second ± 12 scans/second (bi-directional)	104 scans/second ± 12 scans/second (bi-directional)
Scan Angle:	47° ± 3° default / 35° ± 3° reduced	47° ± 3° default / 35° ± 3° reduced
Voltage:	3.3v ± 10%	3.0-3.6v ± 10%; 5v ± 10%
User Environment		
Drop Specification:	2000G	2000G
Operating Current:	76 mA (typ) / 81 mA (max)	86 ma (typ) / 114 mA (max)
Operating Temp (Chassis):	-4° to 140° F/-20° to 60° C	-4° to 140° F/-20° to 60° C
Ambient Light:	10,000 ft. candles	10,000 ft. candles
Regulatory		
Laser Safety:	IEC 60825	IEC 60825
Electrical Safety:	UL 60950, EN/IEC 60950	UL 60950, EN/IEC 60950
EMI/RFI:	FCC Part 15 Class B, EN 55024/CISPR 22, AS 3548, VCCI	FCC Part 15 Class B, EN 55024/CISPR 22, AS 3548, VCCI
Environmental:	RoHS Compliant	RoHS Compliant

Symbol SE950/SE955 Decode Zones



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