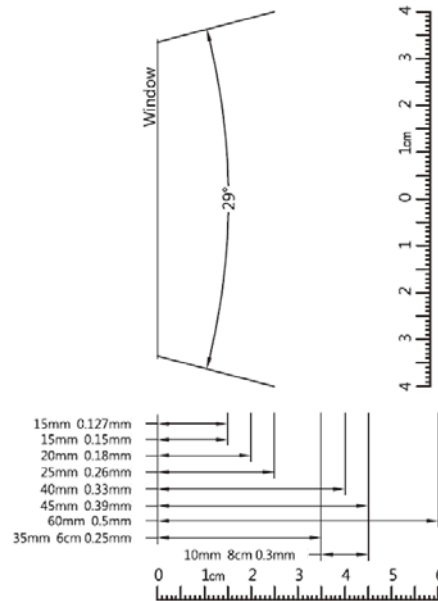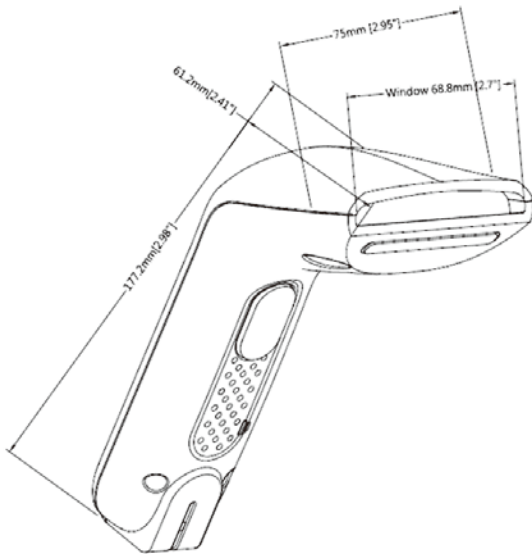# CHAMPTEK®

SD-100
Barcode Scanner

Introduction

The SD-100 CCD barcode scanner is a reliable barcode reader suitable for a wide range of environments. The SD100's features and price make it the best solution for retail, medical and light industrial applications.

The Champtek SD100 flexible, multiple interface design supports keyboard wedge, RS232 and USB interface by simply replacing the cable. The powerful built-in decoder reads and discriminates all major symbologies, reducing processing time and labor costs, while increasing accuracy. The decoder also allows editing and modifying scanned data before sending it to the host device.

Barcode menus provide extensive configuration options. The settings can then be cloned to other readers through the use of custom bar code labels.

CHAMPTEK®
We value your ID's

www.champtek.com

Features

- Economical and durable
- Ergonomic design
- Easy to use and configure

- Complete data formatting and editing capabilities
- Extensive connectivity
- Reads most commonly used bar code symbologies

Specification

Physical Characteristics

Length	179.7 mm
Width	81 mm
Height	63.5 mm
Weight	Approximately 4.23 oz. (120 g) (w/o cable)
Width Of Window	60 mm
Housing Material	ABS

Electrical

Voltage	DC +5V ±5%
Power Consumption	80mA
EMC	FCC Part 15 Class B, EN55022, EN55024

Operational

Light Source	Visible red light 632nm LED
Interfaces	RS232, KBW, USB
Cable	Straight 5 ft.
Connector	RJ45 phone jack connector
Reading Indicator	Beeper

Environmental

Operating Temp	0 °C to 50 °C (32 °F to 122 °F)
Storage Temp	-20 °C to 70 °C (-4 °F to 158 °F)
Relative Humidity	20% to 95% (Non-Condensing)
Drop	40 inch (100cm) drop on concrete surface
Ambient Light	5000 Lux Max.

Scan Performance

Depth of Field	60mm@20mil/0.5mm, PCS90% (Contact type)
Scan Rate	100 scans/sec
Resolution	5mil/0.127mm@PCS90%

Readable Symbologies

GS1 DataBar, UPC / EAN / JAN,Code 39, EAN128, Full ASCII, Code 128, Inteleave 25, Martrix 25, CODABAR / NW7, Code11, MSI / PLESSEY, Code93, China Postage, Code 32 / Italian Phammacy