CHAMPTEK®

SD380

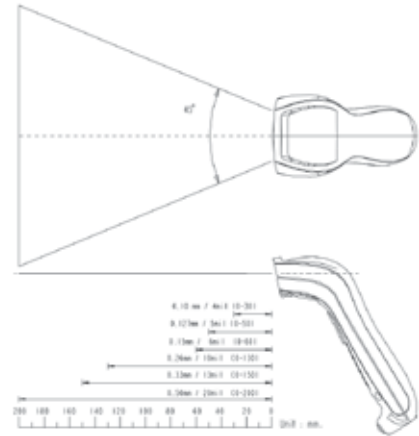## *Handheld Linear Imager Barcode Scanner*

BUDGET
FRIENDLY

The SD380 linear imager barcode scanner brings unmatched value along with the latest advanced technology to point-of-sale checkout operations, and it is a reliable barcode reader suitable for a wide range of environments. The SD380's features and its outstanding price-performance ratio make it the best solution for retail and light industrial applications. The powerfully built-in decoder reads and discriminates all major 1D barcodes and GS1 DataBar™ symbologies, including damaged or poorly printed codes, reducing processing time and labor costs, while increasing accuracy. Its barcode programming menus provide extensive configuration options. The SD380 provides customers with the most cost-effective solution in the market and is the best choice for any retail application.

- The best price-performance ratio solution in the market for retail and light industrial applications.
- Up to 7.8" (200mm) reading depth from window.
- Supports minimum resolution of 4 mil/0.1 mm.
- Reads most 1D barcode symbologies including GS1 DataBar codes.

Specifications		SD380
Performance		
Light Source		Visible Red Light 632nm LED
Sensor		Linear Sensor
Processor Type		ARM 32-bit CPU
Operating Frequency		8 MHz (Internal)
Scan Speed		100 Scans per Second ±10%
Reading Distance		From Contact Up to 7.8" (200mm) @ 20mil / 0.5mm, PCS 90%
Width of Field		40mm @ Contact, 10mil / 0.25mm, PCS 90%
Print Contrast Ratio		45%
Resolution		4mil / 0.1mm @ PCS 90%, Code 39
Reading Angle	Front	10º ~ 40º (± 5º)
	Left & Right	± 30º (± 5º)
	Test Conditions	Code 39, 10mil / 0.25mm, PCS 90%
Ambient Light		Fluorescent Lamp 10,000 Lux. Maximum
Reliability		
Component Life	Trigger Switch	1,000,000 Times @ 1kg ± 50g Cycles
	MTBF (Calculated)	50,000 Hours
	Cable Bending Test	40,000 Times Minimum (30 Times per Minute @ 200g / 90º)
Thermal Shock	High Temperature	140º F (60º C)
	Low Temperature	- 4º F (- 20º C)
	Cycle Time	30 Minutes for High Temperature / 30 Minutes for Low Temperature
	Cycles	24 Cycles
Drop		59 Inches (150cm) Drop on Concrete Surface
Environmental		
Temperature	Operating	32° ~ 122° F (0º ~ 50º C)
	Storage	- 4° ~ 158° F (- 20º ~ 70º C)
Humidity (Non-Condensing)		20% ~ 95% RH
Readable Symbologies		All UPC / EAN / JAN / EAN128 Code / Code 39 / Code 39 Full ASCII / Code 32 Italian Pharmacy / Code 128 / CODABAR/NW7 / Interleave 25 / Industrial 25 / MSI/PLESSEY Code 93 / China Postage / GS1 DataBar
Physical		
Material		ABS
Dimensions		2-1/2"W x 2-1/8"H x 6-5/8"D
Weight	Body Weight	3.17 oz. (90g)
	Cable Weight	2.11 oz. (60g)
Warranty		2-Year Manufacturer's Warranty

All product features are subject to change without notice.
All product and company names are trademarks, service marks or registered trademarks of their respective owners.

CHAMPTEK