

Plug 'n Play USB Scanner

LGP Series

Features & Benefits

- ◆ **One step installation**
- ◆ **Functions like a Wedge scanner; keyboard emulation**
- ◆ **Eliminates need for a "Y" cable or special connectors**
- ◆ **Install without powering down your PC**
- ◆ **Multiple scanners can be used on the same PC**
- ◆ **Needs no external power supply, perfect for laptop use**



Most new PCs and Macs incorporate a new industry standard called a Universal Serial Bus (USB) which allows the user to connect a variety of computer peripheral devices. The USB scanner plugs directly into the PC's USB port. It operates like a traditional keyboard wedge scanner emulating data input from the keyboard, but there is no need for special connectors, "Y" cables or external power supplies.

Easy to Install

Just plug the scanner into the PC's USB port and it is ready to scan.

- ◆ Plug and Play installation. Just plug it in. The PC recognizes the scanner and automatically activates the appropriate software driver.
- ◆ "Hot swapping" - the scanner can be installed or removed without turning off the power to the PC.
- ◆ The USB port can support up to 127 computer peripherals.

One Scanner Configuration

The LGP Series scanner incorporates the new connectivity standard into an aggressive, rugged handheld CCD scanner resulting in the ideal scanner for PC connectivity. One scanner works with any manufacturer's PC. No need to hunt for a specific cable or connector.

Rugged Performance

Best of all is the scanner's performance. Its high speed, and superior resolution make it ideal for reading bar codes even in direct sunlight or other strong lighting conditions.

Opticon's 5-year warranty is the result of solid design, quality manufacturing and attention to details learned from 20 years experience in bar code scanning. Little things add up, resulting in quality products with long, reliable performance.

Easy to Customize

The scanner is easily programmable allowing simple customization to match your specific operational and data needs.



TECHNICAL DATA

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

LGP Series REV. 7/00

Optical

Photo Detector	2048 element CCD array	
Scan Speed	200 scans/sec.	
Light Source	Visible LED ($\lambda = 660 \text{ nm}$)	
Depth of Field	2.3" Window	3.2" Window
(UPC 15 mil)	56 mm (0 to 2.2")	45 mm (0 to 1.8")
Field Width	2.3" or 3.2"	
Min. Element Width	.004" (4 mil)	

Electrical

Voltage	5 VDC \pm 10% USB standard
I_{DC}	70 mA (typical)

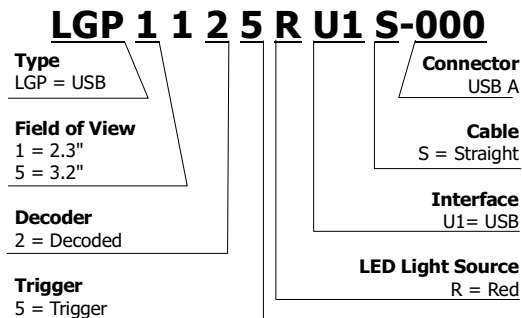
Environmental

Temperature	
Operating	0 to +41° C (+32 to +105° F)
Storage	-26 to +60° C (-15 to +140° F)
Humidity (non-condensing)	
Operating	up to 80% RH
Storage	up to 90% RH

Physical

Case Material	ABS Plastic	
Dimensions	2.3" Window	3.2" Window
(LxHxW)	165 x 64 x 51 mm (6.5 x 2.5 x 2 in)	165 x 78 x 51 mm (6.5 x 3.2 x 2.0 in)
Weight	140 g (5 ounces)	
Cable Length	5 ft. nominal	
Connector	USB Type A	

Ordering Information



Warranty

Opticon CCD scanners are warranted for a period of five (5) years, covering all parts and workmanship during the first year and electronics only thereafter. Extended service contracts available.

Technical Support / Sales

Opticon's experienced, well trained technical staff are available to answer questions and assist you in every way possible in support of our products. Call today to find out how the scanner can be adapted to your design: (800) 636-0090, or visit our web site at: www.opticonUSA.com

General Mechanical Specifications

Performance Parameters

(x = 13 mils @ .9 PCS, contact, flat surface)

Skew (α)

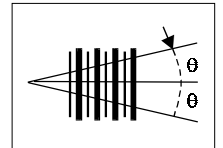
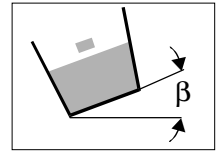
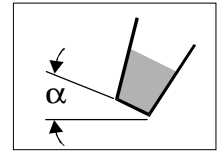
$\alpha_1 = 10^\circ$ max. (forward)
 $\alpha_2 = 30^\circ$ max. (reverse)
 $\beta = 0^\circ$
 $\theta = 0^\circ$

Pitch (β)

$\alpha = 0^\circ$
 $\beta = \pm 10^\circ$ max.
 $\theta = 0^\circ$

Rotation (θ)

$\alpha = 0^\circ$
 $\beta = 0^\circ$
 $\theta = \pm 10^\circ$ max.



Operating System Requirements

IBM compatible PC running Windows 98 or higher
 Mac = OS 8.1 or higher
 iMac = Rev A. or higher

Decodable Symbologies

WPC: EAN (EAN 13, EAN 8), UPC (UPC-A, UPC-E)
 Code 39
 Codabar
 Standard 2 of 5
 Code 128
 Code 93
 MSI - Plessey

Accessories

Part No.	Description
28-KYDEX-01	"L-Style" Hands-Free Stand
28-00010-01	Rubber Side-Mount Stand/BR1000
28-UNVSTD-01	Universal Scanner Stand



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