The OPT 6125 Series Scanner

The Scanner for the New Century

Features & Benefits

- *Significantly improved decode techniques*
- *Highly ergonomic design and styling*
- *Lightweight for continuous use*
- *Low power consumption; Ideal for use with portable terminals*
- *Fast 200 scans/second*

We incorporated everything we learned in over 20 years of designing scanners into the OPT6125 to create Opticon's finest bar code scanner. It is the most aggressive, fastest, lightest weight, best performing scanner yet.

The new styling represents a break from past designs and leap into a new generation of improved scanners.

The OPT6125 scanner continues Opticon's reputation for rugged, durable and long lasting scanners. Beneath its sleek appearance, it is a real workhorse that can take a beating and work all day long.

It operates at a fast 200 scans per second. Precise optics coupled with proven decode algorithms, result in a snappy scanning performance and the abilty to read marginal and poorly printed bar codes.

Low power consumption makes the OPT6125 ideal use with portable devices.

OPT6125 scanners are available in popular interfaces: Keyboard wedge, RS232 and USB.

Opticon

TECHNICAL DATA

OPT Series REV. 3/02

Optical

Scan Speed	200 scans/sec.
Photo Detector	2k element CCD
Light Source	Visible LED (λ = 630 nm)
Depth of Field	0 to 1.2 in. (EAN13, PCS0.9, density 0.33)
Reading Width	upto 3.2 in.
Resolution at PCS 0.9	5 mil
Min. PCS Value	0.45

Electrical

Voltage	5 V ± 5%
Current	100 mA max.
Idle Current	30 mA

Environmental

Temperature	
Operating	0 to +40° C (+32 to +105º F)
Storage	-20 to +60° C (-10 to +140º F)
Humidity (non-condensing)	
Operating	up to 80% RH
Storage	up to 90% RH

Physical

Case Material	ABS Plastic
Dimensions (LxWxH)	6.0x2.8x0.9 in.(152x72x22 mm)
Weight	3.2 oz. (90 g)
Cable Length Straight	RS232/USB: 6.5 ft. (2000mm)
	Wedge: 7.8 ft. (2400mm)
	Wedge adapter: 9.5" (240 mm)
Connector (std)	RS232: DB9 female with external power
	USB: Type A
	Wedge: DIN5 female and miniDIN6 male

Functionality

Trigger Modes	Manual / RS232
Interfaces Supported	RS232/Wedge (XT/AT/PS2),USB
Configuration	Over 300 programmable parameters

Warranty

Opticon CCD scanners have a five (5) year warranty, 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)
α_1 =10º max. (forward)
α_2 = 30º max. (reverse)
β = 0º
θ = 0º

Pitch (β)
α = 0º
β = $\pm$10º max.
θ = 0º

Rotation (θ)
α = 0º
β = 0º
θ = $\pm$10º max.

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, Industrial 2 of 5, Interleaved 2 of 5, ISBN, ISSN
Matrix 2 of 5, IATA, Italian Pharmaceutical

Ordering Information

LGP6125	RWES - 007*	Wedge
LGP6125	RR1S - 018*	RS232
LGP6125	RU1S - 000*	USB

* Ask our Customer Service Department for alternate connectors and pinouts to match your application

Opticon

8 Olympic Drive
Orangeburg, NY 10962
Tel   845.365.0090
Fax 845.365.1251
Toll Free 800.636.0090
www.opticonUSA.com