



Preliminary specifications

OPT 1000 OPT 5000

CCD bar code scanner with
60 mm or 80 mm aperture

The OPT1000 scanner and OPT5000 scanner automatically scan a bar code on approach. They are CCD scanners that have a scan rate of 200 scans per second, fast enough to process every scan. The OPT series can easily read both high density labels and dot-matrix labels, as well as many coloured labels.

The low power consumption of the OPT series makes them well suited for portable applications.

The OPT series supports several interfaces. The options include standard the popular USB or RS232. Optionally the wedge or linker (wand emulation) interface can be supported.

A variety of parameters can be configured by the user through a bar code configuration manual.

Features

- Can read both marginal quality and high density labels
- Lower power consumption
- Interface at choice

Benefits

- Allows this scanner to have many applications
- Ideal to use with portable terminals
- Connects directly to the applicable computer system



OPT5000
bar code scanner with
80 mm aperture



ST06
*Optional: stand for OPT1000/5000
for desktop use*

OPT1000/OPT5000 CCD bar code scanner with 60 mm or 80 mm aperture

Electrical specifications

Voltage requirement	5V ± 10 %
Current consumption	max. 77 mA
Rush current	max. 600 mA
Idle current	16 mA

Optical specifications

Light source	660 nm red LED
Photo sensor	2K element CCD
Scan rate	200 scans/sec
Decode rate	200 decodes/sec
Reading width	<input type="checkbox"/> OPT1000: 60 mm <input type="checkbox"/> OPT5000: 80 mm
Resolution at PCS 0,9	0.127 mm (5mil)
Min. PCS Values	PCS 0.3
Depth of field	<input type="checkbox"/> OPT1000: 0 - 55 mm <input type="checkbox"/> OPT5000: 0 - 40 mm (UPC PCS0.9, density 0.39)

Supported symbologies

Chinese Post
Codabar ABC and CX
Code 39
Code 93
Code 128
EAN-8 incl. +2,+5
EAN-13 incl. +2,+5
EAN-128
IATA
ISBN
ISSN
Industrial 2of5
Interleaved 2of5
Italian Pharmaceutical
Laetus
Matrix 2 of 5
MSI/ Plessey
UK/ Plessey
Telepen
S-Code
UPC-A incl. +2,+5
UPC-E incl. +2,+5

Functionality

Trigger modes	<input type="checkbox"/> manual <input type="checkbox"/> RS 232
Interfaces supported	<input type="checkbox"/> RS232 <input type="checkbox"/> USB <input type="checkbox"/> <i>optional</i> : keyboard wedge <input type="checkbox"/> <i>optional</i> : linker (wand emulation)
Configuration	over 300 parameters can be set by RS 232 or menu book

Environmental specifications

Temperature	<input type="checkbox"/> 0 - +40 °C in operation <input type="checkbox"/> -20 - +60 °C in storage
Humidity (non condensing)	<input type="checkbox"/> 20 - 80 % in operation <input type="checkbox"/> 20 - 90 % in storage
Shock	drop: 1 m drop onto concrete surface vibration: 12 - 100 Hz with 2G for 6 minutes in X, Y, Z direction
Cable	1.000.000 bendings at 90° with 500g
Ambient light rejection	<input type="checkbox"/> fluorescent 1.500 lux max. <input type="checkbox"/> white light 2.000 lux max.
Emission	According to EN50081, part 1
Immunity	According to EN50082, part 1

Physical specifications

Dimensions (l x w x d)	<input type="checkbox"/> OPT1000: 165 x 64 x 34 mm <input type="checkbox"/> OPT5000: 172 x 85 x 34 mm
Case material	ABS
Weight	<input type="checkbox"/> body : OPT1000: OPT5000: <input type="checkbox"/> cable:
Cable length	<input type="checkbox"/> RS232: straight 1.5 mtr <input type="checkbox"/> USB: straight 2 mtr <input type="checkbox"/> wedge: straight 1.5 mtr <input type="checkbox"/> linker (wand emulation): straight 1.5 mtr
Standard connector	<input type="checkbox"/> RS232: DB9 female with external power <input type="checkbox"/> USB: USB-A <input type="checkbox"/> keyboard wedge: DIN 5 / MiniDIN (other connectors available on request)

Preliminary specifications are subject to change without notice. Printed 01-2001