LazerData® 12000 High Performance Compact Laser Scanner

Get BIG performance in a SMALL package.

- **Real-time decoding at 100K characters/second**
- **Speeds up to 1300 scans/second**
- **Reads at up to 15.7" (39.9 cm) with a 13.8" (35.1 cm) depth of field**
- **Compact, rugged industrial housing**

The LazerData® 12000 is your scanner when you need extremely high performance in extremely small spaces... and you need a cost-effective solution.

With speeds up to 1,300 scans per second and real-time decoding of 100,000 characters per second, the LD1200E was obviously designed to get the job done. But this unit doesn't stop there. Advanced electronics allow the LD12000 to read bar codes as far away as 15.7" (39.9cm) with a maximum depth of field of 13.8" (35.1cm). It will also decode bar codes with resolution as high as 4 mils (0.1 mm). Imagine the flexibility performance like this could bring to your business. Now consider that the LD12000 packs all this performance into dimensions as compact as 4.0 x 3.3 x 1.7" (10.2 x 8.4 x 4.3cm).

Choose From Three Versions and Five Modes of Operation

In addition to the standard version of the LD12000, you can choose from two different raster versions. They each take advantage of highly innovative optics to achieve minimum dimensions and maximum depth of field.

The LD12000 also offers five different function modes: on line, serial on line, automatic, verifier and test.

Designed To Get You Connected!

When you need the ultimate in connectivity and flexibility. Look no further than the LD12000. With presence sensor inputs and three outputs, the LD12000 can run in standard functioning mode or in special function at your request. And flexible interface and network connection design means the LD12000 can be used as a single reader, an element of a multi-head reading station or with a distributed reading system.

Equipped with two serial lines, the LD12000 manages the most important industrial communication protocols. The scanner only requires one power supply and can use Cannon 25-pin connectors or a junction box with a terminal strip.

When you put all this functionality together, the possibilities are endless. The LD12000 is an extremely cost-effective solution for any number of tough, real-world applications.

Additional Features

- *Two standard serial interfaces*
- *Print contrast signal evaluation*
- *Verifier function mode*
- *Position measurement and testing*

Ideal For

- *Packaging machines*
- *Chemical and biomedical analysis equipment*
- *Pharmaceutical verifiers*
- *Narrow conveyors*
- *Automated warehousing systems*
- *Automated document handlers*

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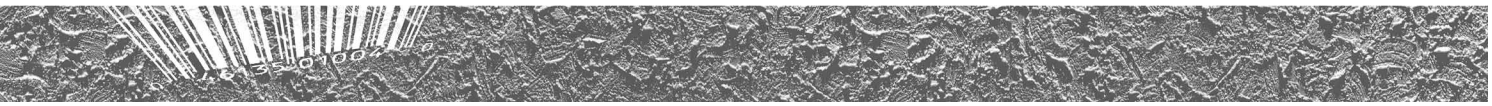
EXPANDING TECHNOLOGY. FOCUSING SOLUTIONS.

LazerData® 12000 High Performance Compact Laser Scanner



SPECIFICATIONS

MECHANICAL

Dimensions	4.0 x 3.3 x 1.7" (10.2 x 8.4 x 4.3 cm)
Weight	28.2 ozs. (800 g)

ENVIRONMENTAL

Temperature rating	
• *Operating*	32° to 104° F (0° to 40° C)
• *Storage*	-4° to 158° F (-20° to 70° C)
Humidity	90% non condensing
Vibration	IEC 68-2-27 test EA 30 G; 11 ms; 3 shocks on each axis
Enclosure	Cast Aluminum

ELECTRICAL

Power	
• *Supply*	10 to 30 VDC
• *Consumption*	5 Watts
Operating modes	On Line; Serial On Line; Automatic; Test; Verifier
LED indicators	Power on; Reading phase active; Label present; Data transmit

OPTICAL

Light source	670 nm Visible Laser Diode (VLD)
Scan rate	800 scans/sec. (nominal)
Scan angle	60°
Reading distance	15.7" (400 mm) max.
Depth-of-field	13.8" (350 mm) max.
Reading field	12.6" (320 mm) max.
Resolution	4 mils (0.5 mm) max.

COMMUNICATIONS

Programming method	Via serial interface (LDHOST)
Interfaces	Two selectable serial interfaces RS232 / RS485 Multidrop / 20 mA C.L.
Baud rate	150 to 19,200
Input signal	Presence sensor (Optocoupled NPN/PNP transistor)
Output signals	No read; Right read; Wrong read Optocoupled NPN transistor open collector and emitter)

DECODING CAPABILITY

Codes

22 readable types include:

- *UPC/EAN*
- *I 2/5*
- *Code 128 / EAN 128*
- *Code 39*
- *Code 93*
- *Codabar*
- *C.I.P.*

Multilabels

Up to 6 different codes in the same presence sensor phase

SAFETY / REGULATORY

Electrical	TÜV; UL; cUL (E136420-98RT4004)
Emissions	FCC Class A; EN 55022-B; VCCI-B; AS/NZS 3548
Protection	IP65
Laser classification	IEC 60825 Class 2; CDRH Class II (CAUTION: Laser Radiation – do not stare into beam)
Laser control	Security system to turn laser off in case of motor slow down or failure

Specifications subject to change without notice.
For further information, contact your PSC representative.

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For product information, technical support, answers to frequently asked questions, product documentation, software updates, repair information, and how to contact PSC, visit the PSC Website at: ***www.pscnet.com***

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