CiPRO® 7200

Powerful Compact Laser Scanner and Decoder

The Smallest CiPRO® Scanner
Fits Nearly Anywhere
Economical

Overview

CiMatrix is a world leader in the creation of one and two dimensional bar code and symbology readers and data collection systems for automatic identification in materials handling and manufacturing applications. The CiPRO® 7200 laser scanner is the ideal solution for all those applications requiring extremely compact dimensions, excellent performance and easy installation procedures. It's often used on automatic machines, small conveyors and for quality control systems. It shares the same operating system, a common setup program and many of the benefits and features found in the CiPRO® 7400.

Features/Benefits

- Built-in decoder

- Compact dimensions — 3.31" x 2.68" x 1.34" (84 mm x 68 mm x 34 mm)

- Scanning speed of 350 scans/sec; reading distance up to 11.8" (300 mm); and depth of field of up to 10.2" (260 mm)

- Digital preprocessor, high speed computing microprocessor and powerful decoding software

- Simple, user friendly Windows based configuration program

- Convenient utility interface option for power supply and communication

- IP65 industrial housing

- Choice of reading window positions — direct or 90˚

- Provides smallest footprint

- Makes installation easy — fits "anywhere"

- Handles most standard applications

- Provides excellent reading capabilities

- Easy, quick set-up

- Easy and reliable installation and connectivity

- Withstands severe work conditions

- Labels can be read in either orientation

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Applications

Extremely compact size and price makes the CiPRO® 7200 the best solution for tight spaces and small budgets.

Typical applications include:

- *Simple packaging machines*
- *Machines for chemical and biomedical analysis*
- *Automatic assembly and production insert machines*
- *Small conveyors*
- *Automatic document and parcel handling*
- *Quality control*
- *Recycling machines*
- *Pharmaceutical verification and inspection*
- *Forms printing machines*

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Specifications

Physical:

Dimensions	3.31 x 2.68 x 1.34 in. (84 x 68 x 34 mm)
Weight	12.3 oz. (350g)
Case material	Cast Aluminum

Operational:

Light Source	Visible Laser Diode (670 nm)
Max. Resolution	8 mils (0.20 mm)
Scanning Speed	350 scans/sec.
Max Reading Distance	11.81 in. (300 mm)
Max. Depth of Field	10.23 in. (260 mm)
Max. Reading Field	7.87 in. (200 mm)
Aperture Angle	60 degrees
Readable Codes	22 types incl. 2/5, code 39, code 93, code 128, EAN/UPC, codabar, EAN 128 code C.I.P.
Multilabel Reading	Up to 6 different codes in the same presence sensor phase

Interfaces:

Communication Interfaces	Two serial interfaces RS232/RS232 or RS232/RS485
Baud Rate	150 to 19,200 bauds
Input Signal	'Presence sensor' (Optocoupled NPN/PNP transistor)
Output Signals (depending on model)	'No read', 'Right', (Optocoupled NPN transistor open collector and emitter)
Programming method	Via serial port CiWINSET™ setup
Operating modes	'On line', 'Serial On line', 'Automatic', 'Test'
Led Indicators	'Power/TX', 'Presence'. 'Decode', 'Laser On'
Laser Classification	IEC 825 Class 2
Laser Control	Security system to turn laser off in case of motor slow down or failure

Environment:

Power supply	10 to 30 Vdc
Power Consumption	3W
Operating Temperature	0 to 40°C (32 to 104°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)
Humidity	90% non condensing
Vibration Resistance	IEC 68-2-6 test FC 1.5 mm: 10 to 55 Hz; 2 hours on each axis
Shock Resistance	IEC 68-2-27 test EA 30 G: 11 ms; 3 shocks on each axis
Protection class	IP65

Specifications subject to change without notice