

# CiPRO® 7400

## *High Performance Compact Laser Scanner*

**Fastest  
Scanning Speed  
and Farthest  
Reading Distance  
For CiPRO® Series**



### Overview

*CiMatrix is a world leader in the creation of one and two dimensional bar code readers and data collection systems for automatic identification in materials handling and manufacturing applications. The CiPRO® 7400 is a powerful bar code reader offering high scanning speed, fast decoding, wide depth of field and advanced electronics. It is often used in more advanced applications requiring higher performance such as conveyors and higher speed material handling systems. It shares many of the same operating features found in the CiPRO® 7200 and offers higher performance.*

### Features/Benefits

- Built in decoder
- High scanning speed up to 800 scans/second with a long reading distance — up to 400 mm (15.7"); and wide depth of field — up to 350 mm (13.8")
- Digital preprocessor, high speed computing microprocessor and powerful decoding software
- Compact dimensions — 3.96" x 3.29" x 1.65" (101 mm x 83.5 mm x 42 mm)
- 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 small footprint
- Handles demanding applications
- Provides excellent reading capabilities
- Makes installation easy — fits "anywhere"
- Easy, quick set-up
- Easy and reliable installation and connectivity
- Withstands severe work conditions
- Labels can be read in either orientation

# CiPRO® 7400

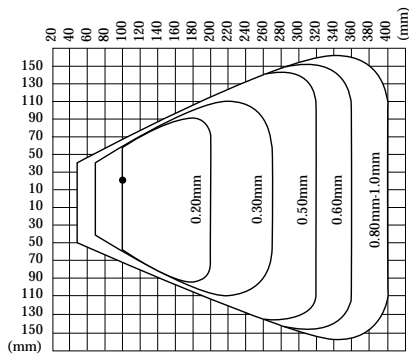
# High Performance Compact Laser Scanner

## Applications

The CiPRO® 7400 provides the fastest scanning speed with the greatest reading distance and depth of field offered in the CiPRO® series.

Typical applications include:

- Sophisticated packaging machines
- Chemical and biomedical analysis equipment
- Pharmaceutical verifiers
- On-line print verification
- Reading on narrow conveyors
- Automated warehouses
- Automatic document and parcel handling
- Palletisation systems



CiPRO® 7400 - 60/80 Reading Diagram



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## Specifications

### Physical:

- Dimensions (3.96 x 3.29 x 1.65 in.) 101 x 8.3 x 42 mm
- Weight 28.2 oz. (800g) approx.
- Case material Cast aluminum

### Operational:

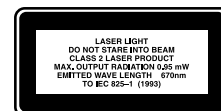
- Light Source Visible Laser Diode (670 nm)
- Max. Resolution 0.15 mm (6 mils)  
0.10 mm (4 mils)
- Scan Rate 800 scans/sec.
- Max Reading Distance 15.7 in. (400 mm)
- Max. Depth of Field 13.8 in. (350 mm)
- Max. Reading Field 12.6 in. (320 mm)
- Aperture Angle 60 degrees
- Readable Codes 22 types incl. 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:

- Interfaces Two selectable serial interfaces RS 232/RS 485 Multidrop/20 mA C.L.
- Baud Rate 150 to 19,200 bauds
- Input Signal 'Presence sensor' (Optocoupled NPN/PNP transistor)
- Output Signals 'No read', 'Right', 'Wrong', (Optocoupled NPN transistor open collector and emitter)
- Programming method Through a serial interface (CiWINSET™ scanner configuration program)
- Operating modes 'On line', 'Serial On line', 'Automatic', 'Test', 'Verifier'
- Led Indicators 'Power', 'Decode', 'Presence', 'Transmit'
- 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 11 to 30 Vdc
- Power Consumption 5W
- 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