

# CODE READER™ 1400

## One of the smallest, most durable barcode readers on the market.

A lightweight that works in a heavyweight class, this reader proves its worth day in and day out. Its dual field optical platform allows the CR1400 to read wide and very small barcodes with an approximate 100 mm focal point. Intuitive targeting makes for quick, reliable and affordable reading of 1D, 2D and Postal barcodes. Glare reduction technology promotes quick reads from bottles, pre-packaged food products and other shiny surfaces. No longer must coupons on mobile phones slow down the checkout process. Reading barcodes on syringes, IV bags or items with extra plastic wrapping is never a problem.

## There's nothing like having a reliable partner on the job.

From healthcare to retail to other high-use environments, a disinfectant-ready plastic housing and IP54 rating protects the performance and life of the reader against harsh cleaning agents, dust and water ingress—even multiple drops.

If you're working in unpredictable environments, need to streamline workflow process or reduce data entry errors, the CR1400 makes a valuable addition to your lineup.

### Features & Benefits

- Operates hands-free or handheld
- Manual or automatic triggering
- User feedback with programmable LED, audible tone and vibrating good read indicators
- Optional Universal Stand
- Compatible with Code's CortexTools<sup>®</sup> software configuration utility
- Data editing and parsing with JavaScript
- Uses Code's rapid disconnect Affinity<sup>®</sup> cables
- Efficient power consumption
- Available in light and dark gray



CR1400 with Universal Stand

### Applications

Healthcare, mobile coupon and ticketing (event, airline, cinema, etc), pharmacy, patrol vehicles, retail, and manufacturing

### Features at a Glance



# CODE READER™ 1400 SPECIFICATIONS

## Physical Characteristics

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CR1400 Dimensions | 5.5" H x 2.75" L x 2.0" W (140 mm H x 70 mm L x 50 mm W) |
| CR1400 Weight     | 3.9 oz (110 g)                                           |
| Color Options     | Available in light or dark gray                          |
| IP Rating         | 54                                                       |

## User Environment

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature | -20° to 55° C / -4° to 131° F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage Temperature   | -30° to 65° C / -22° to 150° F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Humidity              | 5% to 95% non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Decode Capability     | <b>1D:</b> Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar (RSS), Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN<br><b>Stacked 1D:</b> GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417<br><b>2D:</b> Aztec Code, Code 49, Codablock F, Data Matrix, Han Xin, MaxiCode, Micro QR, QR Code<br><b>Proprietary 2D:</b> GoCode® (Additional License Required)<br><b>Postal Codes:</b> Australian Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Planet, Postnet, UK Royal Mail, UPU ID-tags |
| Image Output Options  | Formats: JPEG or PGM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Field Selection       | High Density or Wide Field                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Data Editing          | JavaScript                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Working Ranges

CR1400 Performance

| Test Barcode         | Min Inches (mm) | Max Inches (mm) |
|----------------------|-----------------|-----------------|
| 3 mil Code 39        | 3.1" (80 mm)    | 4.0" (102 mm)   |
| 7.5 mil Code 39      | 1.3" (33 mm)    | 7.2" (182 mm)   |
| 10.5 mil GS1 DataBar | 0.8" (20 mm)    | 8.7" (220 mm)   |
| 13 mil UPC           | 1.1" (28 mm)    | 11.0" (280 mm)  |
| 5 mil DM             | 1.7" (43 mm)    | 4.5" (115 mm)   |
| 6.3 mil DM           | 1.3" (33 mm)    | 5.9" (150 mm)   |
| 10 mil DM            | 0.8" (20 mm)    | 7.1" (180 mm)   |
| 20.8 mil DM          | 1.1" (28 mm)    | 13.5" (343 mm)  |

Note: Working ranges are a combination of both the wide and high density fields. All samples were high quality barcodes and were read along a physical center line at a 10° angle. Default AGC settings were used. Accuracy= +/- 10%.

## Performance Characteristics

|                          |                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------|
| Field of View            | High Density Field: 30° horizontal by 20° vertical<br>Wide Field: 50° horizontal by 33.5° vertical |
| Focal Point              | Approximately 100 mm                                                                               |
| Sensor                   | CMOS 1.2 Megapixel<br>(1280 x 960) gray scale                                                      |
| Optical Resolution       | High Density Field: 960 x 640<br>Wide Field: 960 x 640                                             |
| Pitch                    | ± 60° (from front to back)                                                                         |
| Skew                     | ± 60° from plane parallel to symbol (side-to-side)                                                 |
| Rotational Tolerance     | ± 180°                                                                                             |
| Print Contrast           | 25% absolute dark/light reflectance differential, measured at 650 nm                               |
| Target Beam              | Single, blue targeting bar                                                                         |
| Ambient Light Immunity   | Sunlight: Up to 9,000ft-candles/96,890 lux                                                         |
| Shock                    | Withstands multiple drops of 6' (1.8 Meters to concrete)                                           |
| Power Requirements       | Reader @ 5vdc (mA): Typical = less than 450 mA; Idle = less than 80 mA; Sleep = less than 31 mA    |
| Memory Capacity          | 128MB Flash ROM, 32MB RAM                                                                          |
| Communication Interfaces | RS232, USB 2.0 (Generic HID, HID Keyboard, Virtual COM Port)                                       |
| Warranty*                | 5 years                                                                                            |

## Accessories

- Various Cable Options Available.  
Visit [www.codecorp.com/cables.php](http://www.codecorp.com/cables.php)  
for a list of compatible cables
- Universal Stand



**code**®  
ADVANCED BARCODE READERS

Web: [www.codecorp.com](http://www.codecorp.com)

\* Warranty period is specific to North America and EMEA.