# TC1200

**DATALOGIC**

Datalogic's **TC 1200** Compact CCD Reader provides cost-effective solution for many OEM applications and entry level Factory Automation, combining the benefits of CCD technology, excellent decoding capability and maximum flexibility.

TC1200 has great optics features with wide scan angle and long depth of field also on very high resolution codes.

Its high-performance CCD executes 320 scans/sec, and renewed decoding capabilities increase throughput on hard-to-read, poor or damaged codes.

TC1200 is characterized by maximum reliability (MTFB > 240.000 hours) and very low power consumption 1.75W.

TC1200 can set different operative modes in order to easily work in a large variety of operative conditions.

USB connection and serial port interface combined with opto-coupled input/output lines satisfy all the need for external communication with any type of controller. TC 1200 is also available as 'Scan Engine" very useful for embedded applications where the size is a key factor (electronics module without case).

Aladdin™ configuration software (via PC) or direct configuration through Bar codes, they both offer user-friendly approach to start-up and set-up procedure.

## HIGHLIGHTS

- Linear CCD Technology
- Static reading applications
- Excellent Reading performance on bad label codes
- Extended reading distance and long DOF
- High Scan Rate @320 scans/sec
- Very high resolution codes up to 3 mils
- Serial and USB standard Interface
- Multiple Operative conditions
- IP64 protection class enclosure
- Scan Engine module version
- Easy set up with Aladdin software tool or Programming Bar Code Labels.

## APPLICATIONS

- Hand free solutions for factory automation
- Lab automation and biomedical analysis machines
- Kiosk and atms terminal service
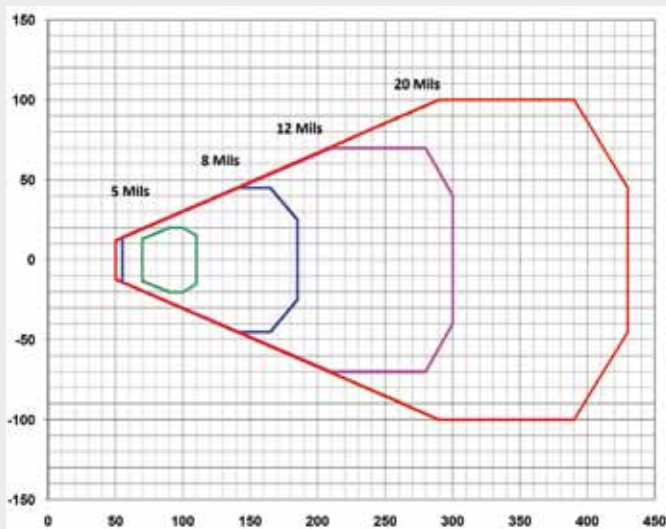- Access control and ticketing



Biomedical Machine

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## TECHNICAL DATA

| PHYSICAL CHARACTERISTICS | | |
|---|---|---|
| | T C1200-1X00 | TC1200-0X00 |
| Dimensions | 57x31x50 mm (2.24x1.22x1.97 in) | 50x20.8x43 mm (1.97x0.82x1.69 in) |
| Weight | RS232: 120 g. (4.2 oz.) USB:105 g. (3.7 oz.) (without Cable) | 30 g. (1 oz.) |
| Case material | ABS | NA |
| Operating temperature | 0° to +50 °C (+32° to +122 °F) | |
| Storage temperature | -20° to +70 °C (-4° to +158 °F) | |
| Humidity | 90% non condensing | |
| Protection class | IP64 | |

| PERFORMANCE | | |
|---|---|---|
| | TC1200-1X00 | TC1200-0X00 |
| Communication interface | RS232 | USB |
| Max scans/sec | 320 | |
| Max resolution | 0.10 mm (4mils) | |
| Readable symbologies | EAN/UPC, Code 39, Code 32, Code 128, GS1-128, ISBT 128, Interleaved and Standard 2 von 5, Codabar, ABC Codabar, GS1 Databar (Omnidirectional, Limited, Expanded), Code 93, Code 11, MSI | |
| Digital inputs | One (trigger input), optocoupled, polarity insensitive | |
| Digital output | Two (software programmable), optocoupled, MAX Voltage=30V, MAX Current = 30mA | |
| Operating modes | OnLine, Serial OnLine, Automatic, Automatic Object Sense, Test | |
| User interface | 3 LEDs (Power, Good read, Trigger) 1 Button for manual triggering | |
| ELECTRICAL CHARACTERISTICS | | |
| Power supply | 5 Vdc ± 5% | |
| Power consumption | 350 mA; 1,75 W | |

| MODELS & ACCESSORIES | | |
|---|---|---|
| | P/N | Description |
| Models | 939501108 | TC1200-1000 CCD READER, RS232 |
| | 939501109 | TC1200-1100 CCD READER, USB |
| | 939501110 | TC1200-0000 SCAN ENGINE CCD READER, RS232 |
| | 939501111 | TC1200-0100 SCAN ENGINE CCD READER, USB |
| Accessories | 93A051388 | CAB-TC1200 to CBX 10-30 VDC PWR Supply |
| | 93ACC1891 | GFC1200 - 105° REFLECTING MIRROR TC1200 |

## READING DIAGRAMS





Access control and Ticketing



ATM's



Shop Floor



TC1200 SCAN ENGINE MODEL

CE CSQ L:Net TÜV