# DATALOGIC INDUSTRIAL AUTOMATION

#### TC1200

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<sup>™</sup> 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** 

### **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		



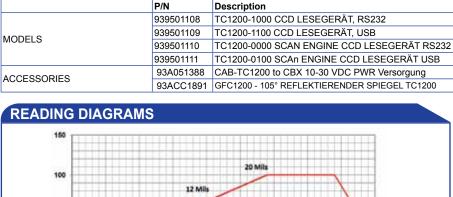
Access control and Ticketing



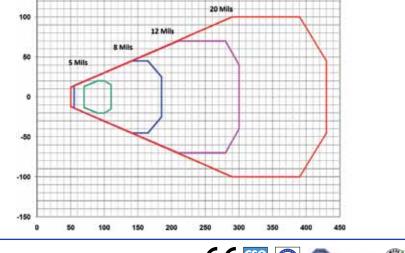
ATM's



Shop Floor



**MODELS & ACCESSORIES** 



TC1200 SCAN ENGINE MODEL

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www.automation.datalogic.com