

# Honeywell®

## MK-3580 Quantum-T

Omnidirectional laser barcode scanner, multiinterface

The main highlights of the Quantum-T:



- an automatic activation of laser beam with the IR sensor (Honeywell's patent);
- a touch sensor for activation from standby mode;
- OPOS and JPOS standards compatible;
- operates in frost down to -20°C;
- can be switched into a single-line scanning mode anytime;
- multininterface, change between a keyboard-wedge / a RS232 / a IBM / a USB automatic is done easily by simply changing the cable and setting the unit;
- a lower price and an almost two times longer depth of scanning field than Metrologic Orbit (which is used for the same target applications);

Take a tour and investigate the product from all angles

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nd; 80 scan lines per second for single-line mode Scan Pattern 5 fields of 4 parallel lines (omni-directional) Number of Scan Lines 20 Minimum Bar Width 0.127 mm ( 5.0 mil) Decode Capability Auto discriminates all standard 1D bar code symbologies; for other symbologies call Metrologic System Interfaces RS232, Light Pen, Keyboard Wedge, Stand Alone Keyboard, IBM, USB Print Contrast 35% minimum reflectance difference Roll, Pitch, Yaw 360°, 60°, 60° Beeper Operation 7 tones or no beep Number Characters Read Up to 80 data characters Indicators(LED) White = Good read ; Blue = Laser on, ready to scan Physical Features and Electricity Dimensions 66 mm (2.60") x 67 mm (2.65") x 108 mm (4.25") (L x W x H) Weight 170 g (5.9 oz) Termination 10 pin modular, RJ45 connector Cable Standard 2.1 m (7\') straight; optional 2.7 m (9\') coiled; for other cables call Metrologic Mounting Holes five - M2.5 x 0.45 Input Voltage 5 VDC  $\pm$  0.25 V Power 1.825 W Operating Current 220 mA typical @ 5 VDC DC Transformers Class 2; 5.2 VDC @ 650mA Laser Class Class 1; IEC60825-1: 1993/A1: 1997 + A2:2001 Class 1; IEC60825-1: 1994/A11: 1996 + A2:2001 EMC FCC, ICES-003 & EN 55022 Class A Environment Operating Temperature -20°C to 40°C (-4°F to 104°F) Storage Temperature -40°C to 60°C (-40°F to 140°F) Humidity 5% to 95% relative humidity, non-condensing Light Levels Up to 4842 Lux (450 footcandles) Contaminants Sealed to resist airborne particulate contaminants Ventilation None required



# Technical Description

## Functionality & Operation

|                          |                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------|
| 1D Barcode Symbolologies | Codabar, Code 128, Code 39, Code 93, EAN 13/UPCA, French Pharma Code, Industrial 2 of 5, Interleaved 2 of 5, MSI |
| Communication interface  | USB, RS232, keyboard, IBM 46xx (RS485), OCIA, Laser Emulation, Light Pen Wand Emulation                          |
| Configuration            | by programming barcodes                                                                                          |
| Language support         | French, German, Italian, Norwegian, Portuguese, Spanish, Swedish, US and UK English, Belgian                     |

## Optical

|                         |                                                                   |
|-------------------------|-------------------------------------------------------------------|
| Light source            | visible laser diode VLD 650 nm                                    |
| Minimum symbol contrast | 35%                                                               |
| Maximal skew angle      | 60°                                                               |
| Scanning rate           | 1650 scan lines per second; Single line: 80 scan lines per second |
| Scannig pattern         | 5 directions                                                      |
| Depth of scan field     | 19-273 mm (13 mil barcode)                                        |

## Electrical

|                               |                   |
|-------------------------------|-------------------|
| Power Source                  | 5 VDC $\pm$ 0.25V |
| Power Consumption - Standby   | 1.2W              |
| Power Consumption - Operation | 1.4W              |

## Mechanical

|            |                                         |
|------------|-----------------------------------------|
| Dimensions | Width: 108mm, Height: 66mm Length: 67mm |
| Weight     | 170g                                    |

## Environment

|                                   |                                                 |
|-----------------------------------|-------------------------------------------------|
| Operating temperature             | -20 to 40°C                                     |
| Storage temperature               | -40 to 60°C                                     |
| Storage humidity (non-condensing) | 5 to 95%                                        |
| Shock resistance                  | multiply drops from 1,5 m onto concrete surface |
| Maximal ambient light             | 4842lux                                         |

## Others

|                |                                        |
|----------------|----------------------------------------|
| Certifications | BSMI, C-Tick, CE, FCC Class A, IC, MIC |
|----------------|----------------------------------------|

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