TOHKEN Advanced Technologies

THIR-6000DM

"A Cost effective reader designed for your laser etch and inkjet Direct Part Mark codes"

The THIR-6000DM is our robust solution for reading laser etch and inkjet Direct Part Mark codes. Using its simple but unique illumination it combines the power of the normal 6000 with the ability to read Direct Part Mark codes.

Based on our powerful 6000 line and combined with an advanced illumination system for reading low contrast codes the THIR-6000DM is a cost effectiveness solution for your direct part marking application.

Direct Part Mark Reading

The THIR-6000DM scanner is the ideal solution for reading direct part mark two-dimensional codes created by laser, electrochemical etching and inkjet marking methods on a variety of surfaces such as printed circuit boards, metal, glass, ceramic, plastics, etc.

Its lightweight and ergonomical design make it a powerful tool for manufacturing facilities. It will withstand multiple drops to concrete from 2 meters, as well as it has a IEC IP64 seal rating.

Powered By 6000 line

The omni-directional reading capabillity allows comfort, speed and accurancy for the end-user from the broad reading area. The THIR-6000DM also comes fully equipped with Tohken's state of the art color imaging capabilities for color picture taking.

Illumination & Optics

The safe, LED-based illumination removes the risks involved with lasers without sacrificing performance. The leading edge Field of View provides end users with freedom from critical alignment and the simplicity of a one trigger pull. With no moving parts, the THIR-6000 is built to last.

Connectivity

In addition to the normal RS-232C and USB connection types, this unit is also available in a bluetooth 2.0 class 2 version (THIR-6000DM-BT), offering even more flexibility and freedom of use.

- **Rugged IP64 sealed industrial housing** +
- **Reads Direct Part Mark Codes** +
- **Omni-directional reading (provides more freedom and ease of use to the end user from the broad reading area)** +
- **Integrated barcode scanning and image capture** +
- **Reliable and robust performance** +
- **High durability with no moving parts.** +
- **Industry leading field of view (2X larger than VGA-based hand held scanners** +
- **Vibration feedback for industrial environments** +

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Mechanical Characteristics

Dimensions	159 (H) x 63 (W) x 99 (D) mm
Weight (without cable)	6.3 oz. (<180g) * cable type

Electrical Characteristics

Supported Interfaces	RS-232C and USB 1.1 / HID / Bluetooth

Supported Barcodes

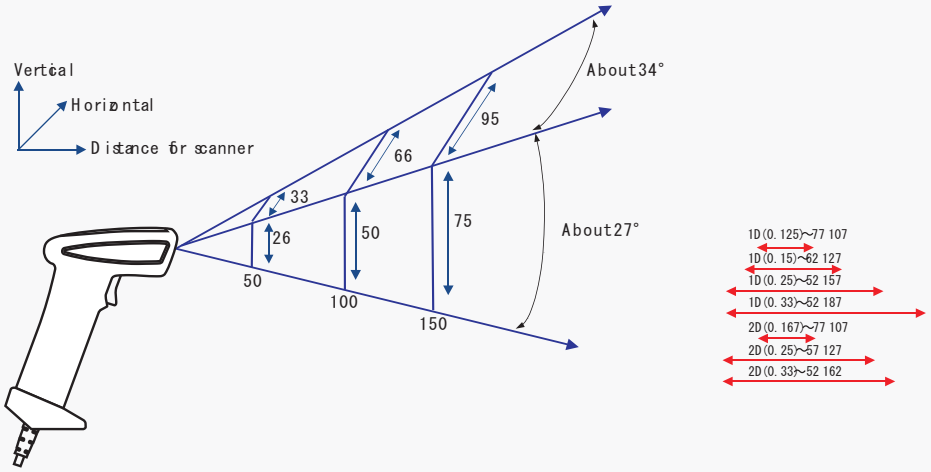
Linear 1D Codes	Code 39, JAN/EAN/UPS, 2 of 5, Code 128, Code 93, Codabar,
Stacked & 2D Codes	PDF, Micro PDF, Datamatrix, QR, Micro QR, Maxicode

Performance

Optical Resolution	1280 x 1024
Minimum barcode resolution	1D:0.125mm (5 mil) / 2D:0.19mm (7.5mil) 1D:0.1mm (4mil) / 2D:0.167mm (6.7 mil) H type
Print contrast	15% min.
Ambient light	0 to 10,000 lux
Field of view	27 degrees (vertical) 34 degrees (horizontal)
Tilt / Skew / Pitsch Angles	+/- 35 : +/- 35 : +/- 180 degrees

Environment

Operating temperature	0 ~ 40 deg C
Storage temperature	-20 ~ 65 deg C
Humidity	35 ~ 85% RH (non-condensing)
Drop specification	multiple drops from 5 feet to concrete
Sealing	IP64 (water and dust resistant)
Vibration	5 ~ 60Hz (max 4G)



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