MTS
MARS TOHKEN SOLUTION

THIR-6781(-ESD)

1D & 2D General purpose Handheld Barcode Scanner

THIR-6781   THIR-6781-ESD

The THIR-6781 Series is a 1D and 2D handheld barcode scanner. This is designed for general purpose, including high contrast barcodes printed on labels and paper, as well as many types of DPM (Direct Parts Marking).

THIR-6781 has wider field of view comparing with its series model THIR-6780. It brings much broader application coverage to our customers. ESD model is also available. By employing a special coating technique to the housing, Our ESD model offers "No carbon contamination" and "High uniformity of surface resistance" higher risk control of static discharge.

**IP64 rating
(protection against dust and splashed water)** +

High speed processing +

**1.2M Camera
（1280x960 Pixels)** +

Light weight, tough body +

LED & Vibration indicator +
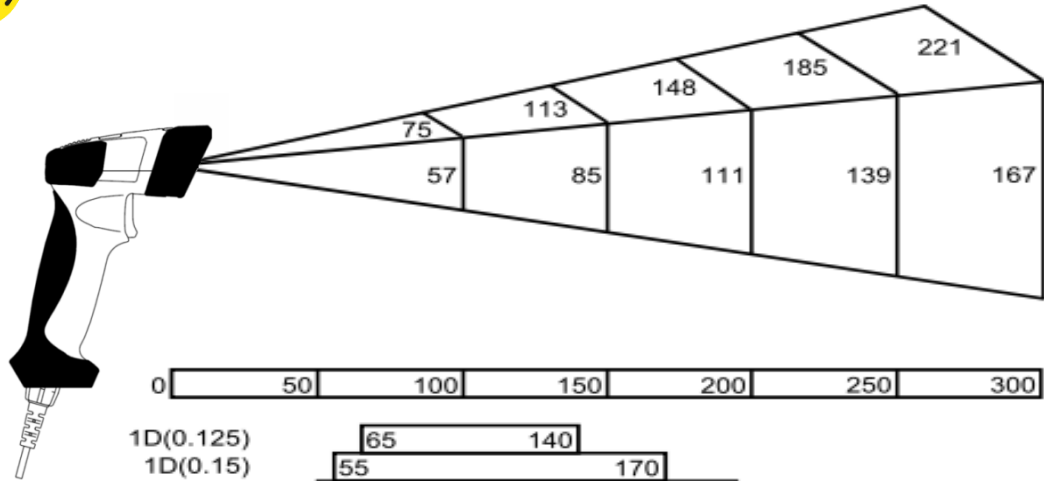
Omnidirectional reading +

Paper, label and DPM +

LED, Audible & Vibration indicators

Function Button

Durable structure

Ergonomic Design

Shock Absorbing Elastomer

Aiming LED

1.2M Camera

Spot illumination

Oblique illumination

Trigger

Detachable cable (RS232C/USB)

Regulation

CE   FC   PSE   BSMI

THIR-6781(-ESD) Series

General specifications

Model number	THIR-6781U(-ESD), THIR-6781R(-ESD)
Interface	RS-232C, USB/HID (Controlled by function button or via software) Detachable cable
Supported barcodes (2D)	DataMatrix(ECC200), PDF417, MaxiCode, QR Code, MicroQR, MicroPDF, GS1 Data Bar Composite, Customer barcode (optional)
Supported barcodes (1D)	JAN/EAN/UPC, ITF, Codabar, Code39, Code93, Code128, EAN128, GS1 Data Bar
Minimum resolution	Normal resolution type : 1D 0.125mm, 2D 0.167mm
Power	DC5.0V+/-5%
Power consumption	400mA @ 5.0V
Operating temperature / humidity	0 to 40C / 35 to 85%RH (non-condensing)
Storage temperature / humidity	-20 to 65 C / 35 to 85%RH (non-condensing)
Protection rating	IP64
Drop specification	Multiple drops from 2m to concrete (no reduction in reading performance)
Dimensions	60(W) x 162(H) x 125(D)mm
Weight	159g (without cable)

Point to point surface resistance of ESD Type

Surface	Resistance (Ω)
A_I	5×10^5
A_{II}	8×10^5
A_{III}	8×10^5
A_{IV}	1×10^5
A_V	3×10^5

Field of view and depth of field

: mm

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