# LIBRA L-7050 

## Flexible Omni-Directional Laser Scanner

## Introduction

Libra L-7050 received optimistic criticism from its outstanding features like protection IP rating, one meter shock resistance, its strong endurance design and automatic sleep and wake-up function which saves power and extends a product's life. The wall mount feature also provides friendly installation for any suitable placement and is specially devised for retail space and from its contemporary design.

This powerful scanner has 6 directional scan fields, with dense 24 scan lines pattern, equipped with superior 2000 scans/second and support combo interface for easily only a cable change. For added flexibility, the scanning head can be tilted forward and backward within a $102^{\circ}$ range to accommodate objects of various sizes and shapes. Libra's elegant outlook provided outstanding quality in design and conventional retail
 requirements.

## Features

- The competitive cost and higher performance on the market
- Durable characteristic with IP42 rating and 1m drop resistance.(with cable)
- Read 1D standard bar codes include GS1 Databar family symbols to future proof your investment.
- Automatic sleep and wake-up mode which saves power and improves life time.
- Support multiple interfaces to allow with only a cable change.
- Support wall-mount hanging for easy installation.
- Adjustable scan head can be tilted forward and backward within $102^{\circ}$ range for best accommodation.
- STAR code reconstruction technique allows easy reading of truncated, damaged and substandard bar codes.
- Scanner Tuner software allows for easy programming and set up of scanners.
- With internal RF antenna which could connect with EAS deactivation system for deactivation purpose.


## LIBRA L-7050



## Specifications

- Physical Characteristics

| Depth | $97.71 \mathrm{~mm} / 3.84$ inch |
| :--- | :--- |
| Width | $94 \mathrm{~mm} / 3.70$ inch |
| Height | $161.51 \mathrm{~mm} / 6.36$ inch |
| Weight | 350 g |
| Color | Black(Scanner+Base) or <br> Beige(scanner) + Dark Gray(base) |

## - Electrical

DC input to scanner 5 V DC / AC adapter $100 \mathrm{~V} \sim 240 \mathrm{~V} ; 50 \sim 60 \mathrm{~Hz}$
Power output 1.25 Watt @+5 V DC

- Interfaces

| RS232 |  |
| :--- | :--- |
|  | KBW |
|  | USB (HID and COM port emulation) |
|  | Power USB (optional) |

- Scanner Characteristics

| Light source | 650 nm visible laser diode |
| :--- | :--- |
| Depth of field | up to 230 mm@ $0.33 \mathrm{~mm} / 13 \mathrm{mil}, \mathrm{PCS90} \mathrm{\%}$ <br> (Performance may be impacted by bar code <br> quality and environmental conditions) |
| Scan pattern | 6 direction scan fields, 24 lines scan pattern |
| Tilted | $22^{\circ}$ forward or $80^{\circ}$ backward |
| Scan rate | 2000 scans/sec. |
| Light level | Max 4800 LUX |
| Barcode types | Automatically discriminates all standard 1D bar <br> codes include GS1 databar family, Omnidirectional, <br> Stacked Omnidirectional, Expanded, Expanded <br> Stacked, Truncated and Limited. |

- Environmental

| Operating Temperature | $0^{\circ} \mathrm{C} \sim 40^{\circ} \mathrm{C}\left(32^{\circ} \mathrm{F} \sim 104^{\circ} \mathrm{F}\right)$ |
| :--- | :--- |
| Storage Temperature | $-20^{\circ} \mathrm{C} \sim 60^{\circ} \mathrm{C}\left(-4.6^{\circ} \mathrm{F} \sim 140^{\circ} \mathrm{F}\right)$ |
| Humidity | $5 \% \sim 95 \% \mathrm{RH}$ |
|  | (non-condensing dew) |

- Safety

| Laser Safety | IEC 825-1 (2001) Class I, U.S. |
| :--- | :--- |
| CDRH: 21CFR1040 Class II a |  |

- EM Compatibility

| EN 55022 | Class B, 2006 +A1:2007 |
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| EN 55024 | $1998+$ A1:2001 +A2:2003 |

Due to Champtek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change without notice.

