MS7625 (stainless steel top plate)

**Metrologic**®
We really work for you.™

Horizon

## MS7600 SERIES **Horizon**®

Horizon® is a compact in-counter hands free laser bar code scanner designed with a dense 20-line scan pattern that provides fast, efficient throughput.

Each Horizon is equipped with an integrated EAS deactivation antenna. The EAS security tag, designed to reduce shrink, is deactivated and the bar code is scanned with a single pass. These simultaneous operations help improve operator comfort and increase throughput. To further enhance operator efficiency and productivity, Horizon is equipped with IR laser activation. This allows the user to "wake" the unit from a power save or sleep mode and read a bar code instantaneously, without any delay.

Each Horizon includes an RS232 auxiliary port that allows for hand held bar code scanners to be connected providing easy scanning of bulky, oversized objects. Other peripherals such as check readers or magnetic stripe readers can also utilize the flexibility of the auxiliary port. The Horizon also offers multiple interfaces and data editing making it compatible with almost every POS system on the market today.

The combination of performance, ruggedness, and a myriad of features make the Horizon an ideal choice for grocery, supermarket, retail, coupon redemption, and a multitude of other applications.
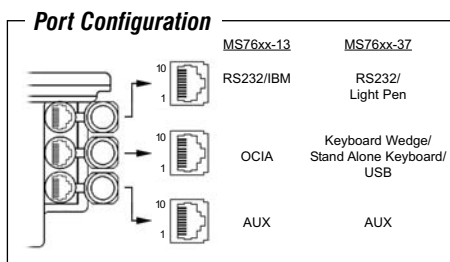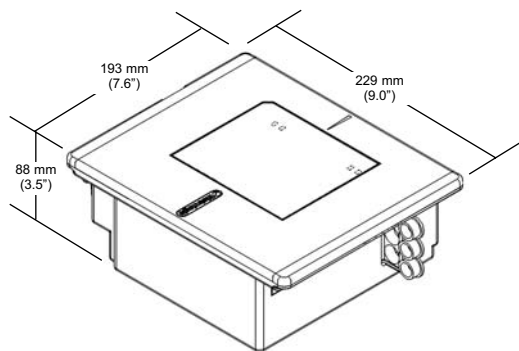
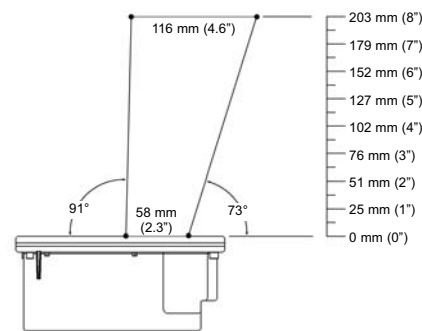**www.metrologic.com/MS7600**

| FEATURES | BENEFITS |
|---|---|
| • Durable die-cast construction | Withstands abuse in the harshest environments |
| • Firmware updates via Flash ROM | Update firmware from any PC via MetroSet2® software provided free by Metrologic |
| • Electronic article surveillance built in | Reduces shrink |
| • Field replaceable window | Fast repairs without removing unit from service |
| • Auxiliary port | Connect an external scanner or other peripheral directly to the scanner |

### Port Configuration

|  | MS76xx-13 | MS76xx-37 |
|---|---|---|
| | RS232/IBM | RS232/ Light Pen |
| | OCIA | Keyboard Wedge/ Stand Alone Keyboard/ USB |
| | AUX | AUX |

### Scan Volume



## OPERATIONAL

| | |
|---|---|
| Light Source | Visible Laser Diode 650 nm ± 10 nm |
| Laser Power | 1.1 mW (peak) |
| Decode Capability | Autodiscriminates all standard bar codes; for other symbologies call Metrologic |
| System Interfaces | PC Keyboard Wedge, RS232, OCIA, Light Pen Emulation, IBM 468x/469x, Stand Alone PC Keyboard, USB (low speed and full speed) |
| Number Characters Read | Up to 80 data characters |
| Beeper Operation | 7 tones or no beep |
| Indicators (LED) | Amber = laser on, ready to scan; Red = good read, decoding |

## MECHANICAL

| | |
|---|---|
| Dimensions | 193 mm H x 88 mm D x 229 mm W (7.6" H x 3.5" D x 9" W) |
| Weight | 2.88 kg (6.35 lbs) |
| Termination | Three 10-pin modular RJ45 |
| Cable | Standard 2.1 m (7') straight; for other cables call Metrologic |

## ELECTRICAL

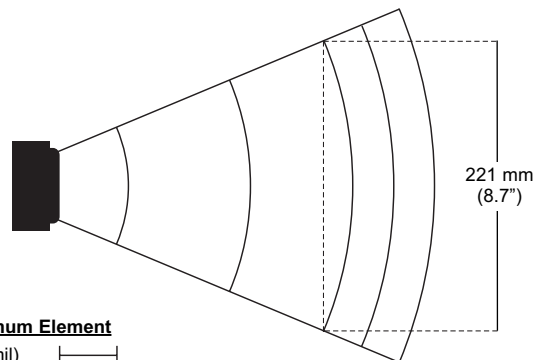| | |
|---|---|
| Input Voltage | 5.2 VDC ± 0.25 V |
| Power | 2.6 W |
| Operating Current | 500 mA |
| DC Transformers | Class II; 5.2 VDC @ 1 A |
| Laser Class | IEC 60825-1:1993 + A1:1997 + A2:2001 Class 1 |
| EMC | FCC, ICES-003 & EN55022 Class A |

## ENVIRONMENTAL

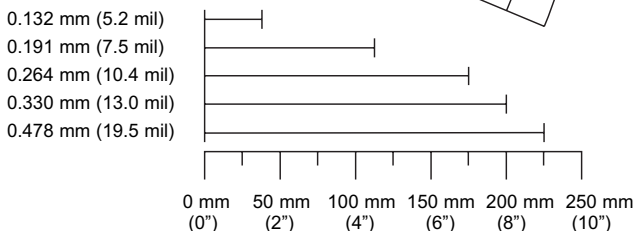| | |
|---|---|
| Operating Temperature | 0°C to 40°C (32°F to 104°F) |
| Storage Temperature | -40°C to 60°C (-40°F to 140°F) |
| Humidity | 5% to 95% relative humidity, non-condensing |
| Light Levels | Up to 4842 Lux (450 footcandles) |
| Contaminants | Sealed to resist airborne particulate contaminants |
| Ventilation | None required |

## SCAN PERFORMANCE

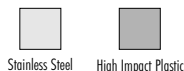| | |
|---|---|
| Depth of Scan Field | 0 mm - 203 mm (0" - 8") for 0.33 mm (13 mil) bar code |
| Width of Scan Field | 137 mm (5.4") @ 40 mm (1.6") ; 221 mm (8.7") @ 178 mm (7") |
| Scan Speed | 2000 scan lines per second |
| Scan Pattern | 5 fields of 4 parallel lines (omnidirectional) |
| Number of Scan Lines | 20 |
| Minimum Bar Width | 0.127 mm (5 mil) |
| Print Contrast | 35% minimum reflectance difference |
| Roll, Pitch, Yaw | 360°, 60°, 60° |

## Scan Area



221 mm (8.7")

**Bar Code Minimum Element**

0.132 mm (5.2 mil)
0.191 mm (7.5 mil)
0.264 mm (10.4 mil)
0.330 mm (13.0 mil)
0.478 mm (19.5 mil)

| 0 mm (0") | 50 mm (2") | 100 mm (4") | 150 mm (6") | 200 mm (8") | 250 mm (10") |

---

Product Colors Available — Stainless Steel — High Impact Plastic — **MS7600 Series** is available in a variety of other colors with minimum quantity purchase

RoHS 2002/95/EC — Revision: F + above — USB UNIVERSAL SERIAL BUS — CE — c UL us LISTED — Sunrise 2005 Compliant

DS7620