

# Magellan® 1400i

Omni-Directional Imaging Scanner



### Features:

- Aggressive imaging performance and intuitive operation reduces checker training and speeds checkout for better customer service
- Autodiscriminates PDF and 1D bar codes
- New imaging technology eliminates moving parts associated with laser scanners for improved reliability
- Targeted scanning mode for PLU Lists
- Hands-free scanning for small, easily handled items, handheld scanning for bulkier items
- Precise imaging scan volume eliminates misreads caused by stray laser scan lines
- Small footprint and size allow for easy integration into point-of-sale
- Textured rubber grip area and small size allow hands of all sizes to comfortably hold the scanner when needed
- Checkpoint® Systems EAS compatible
- Tilting stand allows scan volume to be optimized for each user and has screw holes for fixed mounting
- Standard product is available in either Black or Light Grey. Other colors and custom logo options are available for a minimum quantity purchase. Please contact PSC or your PSC reseller for more information on this service.

### Mechanical

Dimensions (Scanner with Stand):

- Height: 71.3" / 181 cm
- Width: 3.23" / 8.2 cm
- Length: 3.82" / 9.7 cm

Weight: 15.7 oz / 345.4 g

### Environmental

Temperature Rating

- Operating: 32° to 104° F / 0° to 40° C
- Storage/Transport: -40° to 158° F / -40° to 70° C

Humidity: 5 to 95% NC (non-condensing)

Shock: Multiple 4' / 1.2 m drops

Water & Dust Resistance: IP52

### Electrical

Operating Voltages

- 5.0V model ± 5%
- 8.0 – 14.0V model

Operating Current (idle): < 350mA

Operating Current (label read): < 450mA

### Communications

- RS-232
- OEM USB
- Wand Emulation
- USB
- Keyboard Wedge
- IBM 46xx / RS-485

### Optical

Scan Pattern: 100 line

Scan Rate: 1,100 (digital scan lines/second)

Single Line Activation: via button

Scan Volume: 80 in<sup>3</sup> / 1311 cm<sup>3</sup>

Minimum Resolution: 5 mil

Print Contrast: 25%

Roll: 0 – 360°

Pitch: ±65°

Yaw: ±75°

Ambient Light

Indoor: < 557 foot candles / 6,000 Lux

Outdoor: < 7,999 foot candles / 86,100 Lux

Depth of Field: Please refer to table below

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	RANGE
5 mil	0.75 to 2.0' / 19 to 50.8 cm
6.6 mil (PDF)	1.5 to 3.0' / 38 to 76.2 cm
7.5 mil	0.5 to 4.0' / 13 to 10.2 cm
10 mil	0 to 6.0' / 0 to 15.2 cm
10 mil (PDF)	1.25 to 7.0' / 31 to 17.7 cm
13 mil (UPC)	0 to 8.0' / 0 to 20.3 cm
15 mil (PDF)	1.0 to 8.0' / 2.5 to 20.3 cm
20 mil	0 to 9.0' / 0 to 22.9 cm

Minimum distance determined by symbol length and scan angle.  
Printing resolution, contrast, and ambient light dependent.

# Data Sheet

### Decoding Capability

The Magellan® 1400i omnidirectional imaging scanner autodiscriminates between the following supported symbologies:

#### Retail Codes:

- EAN 8 & 13 with full expansion 8 to 13
- EAN/JAN two label
- JAN 8 & 13 with full expansion 8 to 13
- UCC/EAN 128
- UPC Versions A&E
- UPC Supplementals (Bookland & Coupon Code)
- UPC Add-ons (sub 2 or P2, sub 5 or P5 & C128)
- Dual Bar Codes for Japan (2 label read)
- Italian Pharmacode
- PDF-417/Micro-PDF
- Reduced Space Symbology (RSS): RSS-14, RSS expanded, RSS Stacked (omni-directional), RSS Composites and RSS Limited
- Supports GTIN

#### Industrial Codes:

- Code 39 (with full ASCII)
- Code 128 (Up to 80 characters, including Code 39 conversions)
- Code 93
- Interleaved 2 of 5
- Standard 2 of 5
- Codabar
- MSI/Plessey

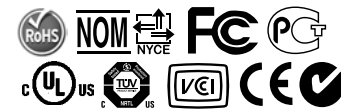
Please contact your PSC representative for other available symbologies.

### Safety and Regulatory

Electrical: Gost R; TÜV; UL; cUL; NOM

Emissions: Complies to FCC; EN 55022; AS/NZS CISPR 22; VCCI; CNS 13438; ICES-003

Restriction of Hazardous Substances: Complies to EU RoHS



### Other

EAS Compatibility: Integrated EAS hardware works with Checkpoint® Systems.

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