Magellan® 1000i

Omni-Directional Imaging Scanner

Data Sheet

Shown with Optional Stand

Features:

- Aggressive imaging performance and intuitive operation reduces checker training and speeds checkout for better customer service
- New imaging technology eliminates moving parts associated with laser scanners for improved reliability
- 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 and OEM applications
- Textured grip area and small size allow hands of all sizes to comfortably hold the scanner when needed
- Checkpoint® Systems EAS compatible
- Optional targeted scanning mode for PLU Lists
- Optional 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 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.

Accessories:

- Tilting Riser Stand
- Fixed Mounting Plate

Mechanical

Dimensions	Scanner	Stand	Scanner with Stand
Height	8.3 cm / 3.3"	5.8 cm / 2.3"	14.0 cm / 5.5"
Width	7.1 cm / 2.8"	7.4 cm / 2.9"	7.4 cm / 2.9"
Length	9.5 cm / 3.7"	9.7 cm / 3.8"	9.7 cm / 3.8"
Weight	198 g / 7.0 oz	187 g / 6.6 oz	385 g / 13.6 oz

Environmental

Temperature rating
　Operating: 0° to 40° C / 32° to 104° F
　Storage/transport: -40° to 70° C / -40° to 158° F
Humidity: 5 to 95% NC (non-condensing)
Shock: Multiple 1.2 M / 4'drops
Water & Dust resistance: IP52

Electrical

Operating Voltages
　5.0V model ± 5%
　7.0—12.0V model ± 5%
Operating Current (idle): < 300mA
Operating Current (Label Read): < 400mA

Communications

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

Optical

Scan pattern: 100 line
Scan Rate: 1,000 digital scan lines/second
Single Line Activation: Optional Button
Scan Volume: 178.0 cm³ / 70.0 in³
Depth of Field: Please refer to table below
Minimum Resolution: 5 mil
Print Contrast: 25%
Roll: 0 — 360°
Pitch: ±65°
Yaw: ±75°
Ambient Light
　Indoor: < 6,000 Lux / 557 foot candles
　Outdoor: < 86,100 Lux / 7,999 foot candles

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	RANGE
5 mil	0.64— 4.45 cm / 0.50—1.75"
7.5 mil	0.64—5.72 cm / 0.25—2.25"
10 mil	0—12.7 cm / 0—5"
13 mil UPC	0—15.2 cm / 0—6"
20 mil	0—17.15 cm / 0—6.75"

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

Decoding Capability

The Magellan® 1000i autodiscriminates between the following supported symbologies:

Retail Codes:
- 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)
- Reduced Space Symbology (RSS) RSS-14, RSS expanded, and RSS Stacked Omni-directional)
- EAN 8 & 13 with full expansion 8 to 13
- JAN 8 & 13 with full expansion 8 to 13
- EAN/JAN two label
- UCC/EAN 128
- Italian Pharmacode
- 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
Emissions: Complies to FCC; EN 55022; AS/NZS 3548; VCCI

Other

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

PSC Inc.
959 Terry Street · Eugene OR 97402-9150 USA
Tel: 800 695 5700 or 541 683 5700
Fax: 541 345 7140

PSC Barcode Limited (UK Office)
Axis 3, Rhodes Way, Watford, England WD24 4TR7
Tel: 44 0 1923 809500 · Fax: 44 0 1923 809505

www.psc.com

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