

# PowerScan® 7000

Industrial Strength Imaging Scanner



## Features:

- Solid state design makes the PowerScan 7000 the most rugged and reliable scanner on the market.
- Lowest priced full performance industrial handheld scanner on the market
- Best dust and water sealing (IP65) on the market
- Industry leading standard range depth of field (DOF)
- Full multi-interface capability
- Industry Leading Four Year Warranty

## Accessories

- Universal Kit
- Scan Stand
- Take Up Reel
- Holster/Fork Lift Mount
- Power Hood

## Mechanical

### Dimensions

Height: 7.5" / 190 mm  
Width: 3.0" / 75 mm  
Length: 4.5" / 115 mm

Weight: 11 oz / 312 g (without cable)

Beeper/Speaker: 87 dBA for operator @ 50 cm (typical)

## Environmental

### Temperature Rating

Operating: -22° F to 122° F / -30 to 50° C  
Storage: -40° to 140° F / -40 to 60° C

Humidity: 5 to 95% NC

Shock: Withstands 50 drops from 6.5' / 2 m to concrete

Vibration: Meets MIL-STD-810E

Water & Particulate Sealing: IP65

## Optical

Scanning Width: 2" wide at 1" from scanner; 6" wide at 7" from scanner

Minimum Resolution: 4 mil minimum element size

Skew (Yaw): ± 60°

Pitch: ± 65°

Roll: ± 40°

Ambient light capability: Up to 40,000 Lux

Depth of Field: See Depth of Field Table below

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	STANDARD RANGE
5 mil	3 to 6' / 76 to 15.2 cm
75 mil	2 to 16' / 51 to 40.6 cm
10 mil	15 to 22' / 3.8 to 55.9 cm
13 mil	1 to 30' / 2.5 to 76.2 cm
20 mil	1 to 42' / 2.5 to 106.7 cm
55 mil	2 to 80' / 51 to 203.2 cm

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

# Data Sheet

## Electrical

Input Voltage: +4 to 14 VDC

Input Power (typical)

Operating (scanning): 1.48 W  
Standby (idling with no trigger): 0.96 W

Input Current (typical)

Operating (scanning): 295 mA @ 5 VDC  
Standby (idling with no trigger): 190 mA @ 5 VDC  
Sleep: 1 mA @ 5V

## Decoding Capability (autodiscriminates among)

- Codabar
- Code 93
- Code 128
- Code 128 add-ons
- Code 128 ISBT
- EAN 128
- MSI/Plessey
- Standard 2 of 5
- UPC/EAN/JAN
- PDF-417
- Italian Pharmacode 39
- P2 /P5 add-ons
- RSS-14
- RSS Expanded
- Interleaved 2 of 5

## Host Communications

RS-232, Keyboard Wedge, USB, Wand Emulation, IBM 46XX, and USB (IBM SurePos).

In addition to standard PC/AT/PS/2, the keyboard wedge interface supports the following: Wyse 55, 60, 120, 150, etc.; IBM 347X/3487/31XX; Digital VT220, 240, 320, 420, 510, 520; Sun 420, ITX, and Sparc 5/10.

## Safety & Regulatory

Electrical: Complies to GostR; UL; cUL; EN60950

Emissions: Complies to FCC; EN 55022; CISPR22; VCCI

Laser Classification: CDRH Class II,

(Caution: Laser Radiation - do not stare into beam); IEC 60825 Class 2



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