Metrologic®
We really work for you.™

SP5500 Optimus™S

Optimus™S is a compact batch portable data terminal designed for retail and light warehouse data collection applications, including inventory and stocking.

Put Metrologic's Optimus*S* right in your pocket and take it wherever data collection needs take you. This stylish batch portable data terminal (PDT) combines powerful features with easy-to-use software to get up and running in no time. The Optimus*S* enables users to quickly scan and store their product information. After data collection is done, simply drop the unit into its cradle and send the data back to the host to keep information up-to-date and accurate.

Each Optimus*S* comes with the Optimizer software package to facilitate application development. This graphically-oriented program allows even computer beginners to quickly and easily setup the applications they wish to run on their PDT. There are also several simple utilities for uploading and downloading of data. The entire software suite is designed to make PDT application development a painless process.

Besides great software, the Optimus*S* comes with a long list of other features. The Optimus*S* comes with 2MB RAM to accommodate users with larger inventory. Never worry about switching batteries again, either. The rechargeable battery that comes with every Optimus*S* has a long battery life, allowing approximately 100 hours of scanning before needing to be recharged. The battery is also Lithium Ion, so users don't need to worry about it wearing out any time soon. All these features and the excellent laser bar code scanning you've come to expect from Metrologic products make the Optimus*S* optimal for all your data collection needs.

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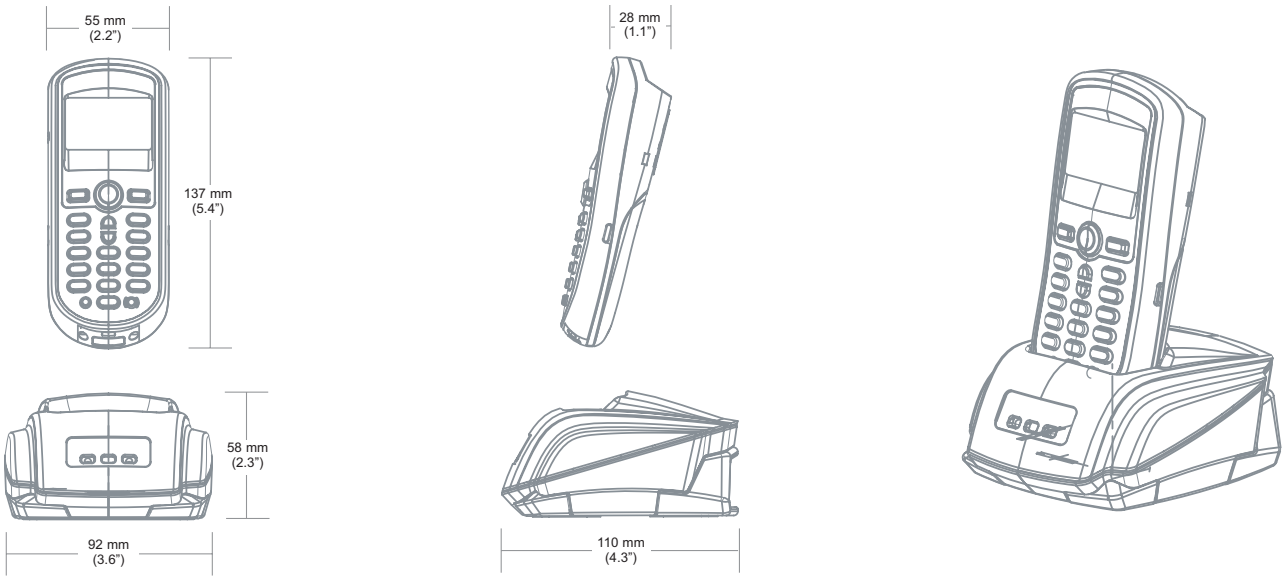
FEATURES	BENEFITS
• LCD display with backlight and adjustable font	Easy to view screen to accommodate different users and environments.
• Small form factor	Same feature set as bulkier units in a lighter, easier to handle package
• Cradle communicates RS232 and USB	One cradle does both, so a simple cable swap gives users quick-change ability
• Fully charged battery lasts approximately 100 hours	Minimizes customer down time; speeds up the inventory process
• Several Programming Options (Optimizer, BASIC, C)	Accommodates different levels of programming skills from beginner to advanced



OPERATIONAL

System	
CPU	16-bit CMOS, low power consumption
Program Memory	1 MB flash ROM
Data Memory	2 MB SRAM
Display	LCD - 100 x 64 pixels, back-lit
Resolution	8 lines x 20 characters (max), 4 lines x 15 characters (min)
Keypad	21 rubber keys; alpha/numeric, function, scanner
Indicators	Buzzer - programmable audible indicator (1 KHz - 4KHz) LED - Dual-color, programmable green and red
Communication (Unit)	IrDA or Cradle IR
Communication (Cradle)	RS232, USB
Application Development	Windows-based Optimizer; optional C & BASIC compilers

MECHANICAL

Weight	140 g (4.9 oz) - including batteries

ELECTRICAL

Battery Operation	Li-ion
Battery Backup	3.7V, 7.0mA hours, rechargeable lithium battery
Operation	Over 100 hours
EMC regulation	FCC Class A, CE and C-Tick approved

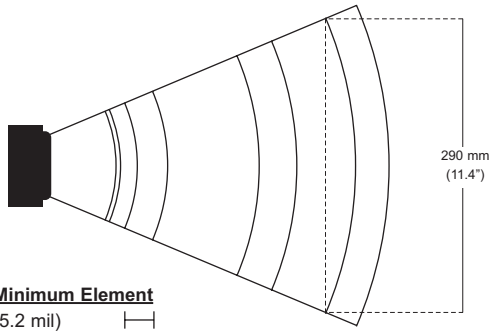
ENVIRONMENTAL

Operating Temperature	-20°C to 55°C (-4°F to 131°F)
Storage Temperature	-30°C to 60°C (-22°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Shock resistance	1.2 m (4') drop onto concrete

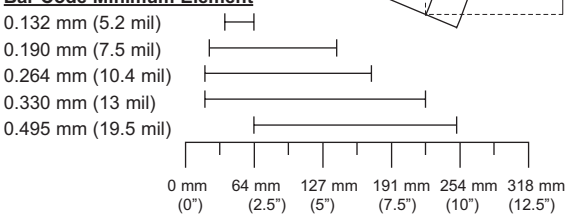
SCAN PERFORMANCE

Laser Scanner	
Visible Laser Diode	650 nm
Minimum Bar Width	0.127 mm (5.0 mil)
Width of Scan Field	290 mm (11.4") @ 222 mm (8.75")
Depth of Scan Field	20 mm - 222 mm (.75" - 8.75") for 0.33 mm (13 mil) bar codes
Scan Speed	100 scan lines per second
Print Contrast	35% minimum reflective difference

Scan Area



Bar Code Minimum Element



Product Colors Available — Light Grey

Optimus is available in a variety of other colors with minimum quantity purchase

USB UNIVERSAL SERIAL BUS — CE — c UL us LISTED — Sunrise 2005 Compliant

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