Metrologic®
We really work for you.™

SP5600 OptimusR™

Metrologics Optimus*R*™ mobile computer provides a rugged solution for batch data collection applications in demanding warehouse and distribution center environments.

Impervious to water, dirt and dust, Metrologic's Optimus*R* provides a robust solution for efficient batch data collection in any demanding environment, including: inventory in dusty warehouses or steamy stockrooms, receiving products on wet loading docks and picking applications in freezing distribution centers

Besides an IP65 rating, Optimus*R*'s reinforced housing protects it in falls from heights as high as 1.2 meters.

Ergonomic design features include large, backlit computer keys for single hand operation. Optimus*R* further

lowers the cost of ownership by rapidly downloading data through a direct-connection option which eliminates the expense of a terminal cradle.

Optimus*R* comes with 2MB of memory (4MB & 8MB optional) for accommodating larger inventories. It maximizes uptime and labor efficiency with a rechargeable battery which provides 200 hours of continuous scanning operation per charge.

Easy navigation and software development tools make customizing an application for even the toughest bar code scanning challenges a snap.
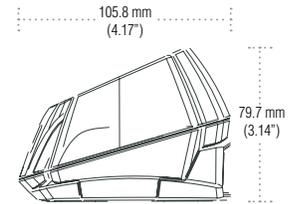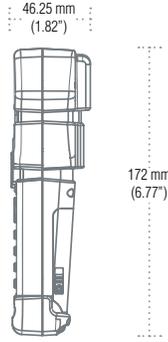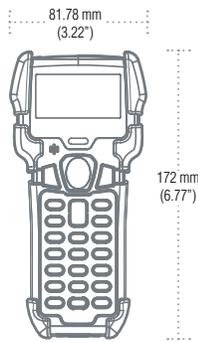
www.metrologic.com/SP5600

Features	Benefits
• Plastic housing with integrated rubber	Reinforced unit construction enhances durability
• IP65-rated	Protection components from harsh and damanding environments
• Rechargeable battery	200 hours per charge maximizes uptime and labor efficiency
• Optimizer software suite	Graphical software package makes setup and use quick and easy
• Ergonomic design with large, backlit keys	Shape and key placement facilitates comfortable one-handed operation

81.78 mm (3.22")
172 mm (6.77")

46.25 mm (1.82")
172 mm (6.77")

105.8 mm (4.17")
79.7 mm (3.14")

OPERATIONAL

System

CPU	16-bit CMOS, low power consumption
Program Memory	2 MB flash ROM
Data Memory	2 MB SRAM (optional 4 MB or 8 MB)
Display	LCD - 128 x 64 pixels, back-lit
Resolution	8 lines x 20 characters (max), 4 lines x 15 characters (min)
Keypad	24 rubber keys; alpha/numeric, function, scanner (optional 39 keys)
Indicators	Buzzer - programmable audible indicator (1 KHz - 4KHz) LED - Dual-color, programmable green and red
Communication (Unit)	RS232, USB or Cradle-IR
Communication (Cradle)	RS232, USB
Application Development	Windows-based Optimizer; optional C & BASIC compilers

MECHANICAL

Height	Unit: 172 mm (6.77"); Cradle: 79.7 mm (3.14")
Depth	Unit: 46.25 mm (1.82"); Cradle: 105.8 mm (4.17")
Width	Unit: 81.78 mm (3.22")
Weight	300 g (10.6 oz) - including batteries

ELECTRICAL

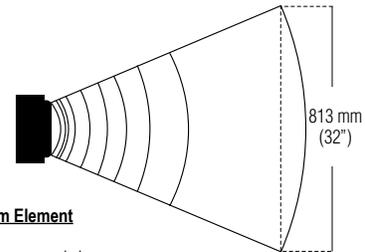|	
Battery Operation	Li-ion
Battery Backup	3.0V, 7.0mA hours, rechargeable lithium battery
Operation	Over 200 hours
EMC regulation	FCC Class A, CE and C-Tick approved

ENVIRONMENTAL

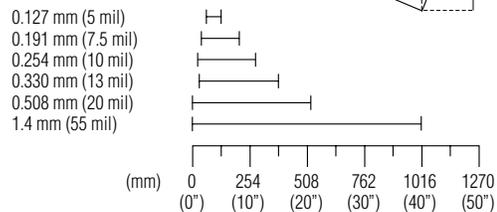|	
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-30°C to 60°C (-22°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Shock	1.2 m (4') drop onto concrete

SCAN PERFORMANCE

Laser Scanner

Visible Laser Diode	650 nm
Minimum Bar Width	0.127 mm (5.0 mil)
Width of Scan Field	305 mm (12") @ 381 mm (15")
Depth of Scan Field	51 mm - 381 mm (2" - 15") for 0.33 mm (13 mil) bar codes
Scan Speed	42 scan lines per second
Print Contrast	35% minimum reflective difference

Scan Area

813 mm (32")

Bar Code Minimum Element

0.127 mm (5 mil)
0.191 mm (7.5 mil)
0.254 mm (10 mil)
0.330 mm (13 mil)
0.508 mm (20 mil)
1.4 mm (55 mil)

(mm)	0 (0")	254 (10")	508 (20")	762 (30")	1016 (40")	1270 (50")

Product Colors Available — Graphite Grey — SP5600 is available in a variety of other colors with minimum quantity purchase.

RoHS 2002/95/EC — Revision: All

USB UNIVERSAL SERIAL BUS

CE

c UL us LISTED

Sunrise 2005 Compliant

SP5600