



**Improve Accuracy**

Fast Lookup  
Item: 074178054439  
Ice Cream Straw 1gal  
Vendor#: UEN11  
Qty On Order: 40  
Price: 2.00  
Scan: U

**Increase Productivity**



**Advanced Ergonomics**



**Revolutionary Design**

**HANDS-FREE**



**WSS 1000 Wearable  
Scanning System**

Breakthrough technology and ergonomics that revolutionize productivity in the workplace

Tasks that involve the movement and tracking of physical objects will never be the same again.

Symbol Technologies has created the ultimate workstation. Coupling powerful information gathering and processing capabilities with simplicity and ease of use, it is enabling quantum improvements in productivity while delighting users with its comfort and light weight. The WSS1000 Wearable Scanning System. Nothing else comes close for form, fit and function. Nothing else can so dramatically increase the efficiency of your workplace.

**Free to handle objects, free to go anywhere to gather and communicate data instantly**

Symbol Technologies' WSS 1000 Wearable Scanning System empowers users to achieve totally new levels of productivity and accuracy. At the same time, advanced ergonomics make the system easy to use and comfortable to wear.

Never before could scanning, portable computing and wireless networking be performed while the user's hands remained totally free for handling packages, products, inventory or materials. The WSS 1000 System also represents breakthroughs in miniaturization, performance and data transmission. Already, its all-encompassing capabilities are changing the definition of productivity and ease of use in warehousing, transportation/logistics, manufacturing, retailing and other industries.

**Between index finger and forearm, a scanner and a computer**

The WSS 1000 System consists of two components. The RS 1 Ring Scanner is worn on the index finger and activated by pointing the finger at the bar code, while pressing the thumb against a trigger at the base of the finger. Scanning is performed by pointing the finger at the bar code and activating the scanner by pressing the thumb against a trigger at the base of the finger. The RS 1 Ring Scanner is the smallest wearable laser scanner in the world, weighing only 1.7 ounces/48 grams and standing just .9 inches/23 mm high.

The WSS 1000's computer is worn on the forearm, and includes a CPU, display, keyboard, battery pack, and optional batch or wireless communications:

• Spectrum One® – A fast, interference-free wireless network solution featuring a high-performance cellular design for reliable throughput while providing excellent long-range operation and data security.



◦ Spectrum24® – Symbol's next-generation wireless LAN featuring a more robust environment for larger, more complex networks. This inherently secure architecture is ideal for business-critical applications requiring high levels of data throughput.

#### **No compromise when it comes to performance**

The WSS 1000 System is engineered to perform. The RS 1 Ring Scanner features a rugged and reliable laser scanner that scans quickly and accurately – even if the bar code is damaged or poorly printed. Its tiny scan engine permits a low profile design, allowing it to avoid most bumps and knocks. But, we've given it a scratch-resistant coating on the window just in case.

The wrist computer offers powerful information gathering, processing and communications performance, yet is easy to use. It features a programmable keyboard and backlit display, both optimally positioned for effortless keypad input and viewing, even in dimly lit environments. It weighs just 9.5 ounces/279 grams and is powered by a long-lasting lithium ion battery. The ring scanner and computer are connected via an unobtrusive, lightweight cable.

#### **Optimum design: High tech balanced by human touch**

When it comes to productivity, comfort and ease of use are every bit as important as performance. Symbol's design engineers thoroughly tested the WSS 1000 Wearable Scanning System, putting it through more than 40,000 user test hours with active participation from customers. The result is maximum comfort and flexibility.

The RS 1 Ring Scanner fits fingers of all sizes and it's reversible, allowing it to adapt equally well for right- and left-handers. The lightweight WWC 1000 Wearable Wrist Computer adapts to fit every wrist. Both the ring scanner and wrist computer mount to straps that stay with each operator, eliminating worries about hygiene. Safety's not a concern, either, because the ring breaks away under 20 pounds/9 kg of pressure.

**The WSS 1000 Wearable Scanning System from Symbol Technologies: In handling-intensive, high-throughput environments, it's what the empowered workforce is wearing.**



Miniaturized ring scanner and wrist-mounted computer keep operators' hands free for moving, picking, packing or receiving packages, products or materials.



High-performance laser scanner and superior ergonomics allow fast "aim-and-shoot" operation, even on poor quality bar codes. Scanning range is from 4 inches to 25 inches/10 cm to 64 cm.



Wrist computer has a 27-key alpha-numeric programmable keyboard, 4- or 8-line x 20-character display and RF data transmission for advanced computing and communications. DOS compatibility means easy integration.



Superior ergonomic design includes "personal" attachments for hygiene, adjustable straps for comfort, ambidexterity for right or left-handed operation, and breakaway feature.

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**Increase Productivity**



# WSS 1000 Wearable Scanning System Specification Highlights

## WWC 1000 Wearable Wrist Computer

Physical Characteristics	
Weight:	WSS 1000: 8.5 oz./240 gm WSS 1010: 9.5 oz./270 gm WSS 1040: 11.3 oz./320 gm (12.3 oz./350 gm w/ short-range microradio)
Size:	4.8" W x 3.4" L x 2.9" H/122 mm W x 86 mm L x 74 mm H
Display:	4 line x 20 character or 8 line x 20 character backlit FSTN LCD
Keyboard:	27 key backlit membrane keyboard
Performance Characteristics	
Processor:	NEC V25 running at 16 MHz
Memory:	640 K RAM
Communication:	Short-range microradio (wireless printing) – optional
Software:	DR DOS
Cradle Interface:	38.4 K max baud rate IR serial connection

Power	
Batteries:	Single-cell lithium ion battery pack (1200mAh)
Charge Time:	140 minutes
Backup Power:	Super capacitor yields 15 minutes backup time

User Environment	
Operating Temperature:	32° to 122°F/0° to 50°C (-20°C with freezer unit)
Storage Temperature:	-40° to 140°F/-40° to 60°C
Humidity:	5% to 95% noncondensing
Sealing:	MIL-STD-810D, 506.2, Procedure II-Drip
Altitude:	Operation at 0-10,000 ft./3,003 m Storage up to 50,000 ft./15,151 m for 24 hours
Drop Specification:	5'/1.5 m to concrete

Wireless Communications			
Antenna:	Spectrum One®:	Internal	
	Spectrum24®:	Internal, diversity	
Frequency:	Spectrum One:	902-928 MHz (spread spectrum modulation)	
	Spectrum24:	2.4-2.5 GHz (varies by country)	
Spreading Code:	Spectrum One:	Multiple, software controlled	
	Spectrum24:	Multiple, software controlled	
Data Rate:	Spectrum One:	60.6 Kbps	
	Spectrum24:	1 Mbps	
Compliance:	Spectrum One:	Meets FCC part 15 (for U.S. use only)	
	Spectrum24:	FCC part 15 (for U.S. only), ETSI 300.328 (Europe), RCD STD-33 (Japan)	

Specifications are subject to change without notice.  
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## RS 1 Ring Scanner

Performance Characteristics	
Light Source:	675 nm laser
Scan Rate:	36 ±3 scans per second
Yaw:	±60°
Roll (Skew):	±20°
Pitch Contract:	±55°

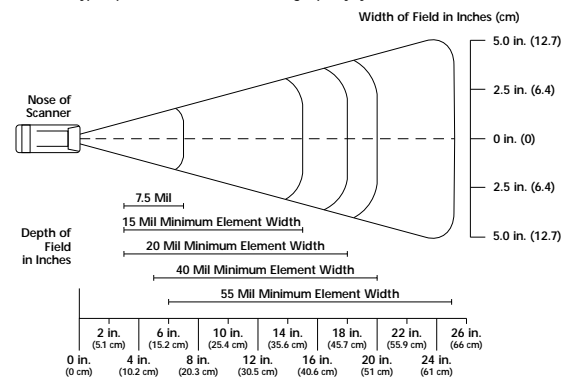


Physical Characteristics	
Voltage:	5 Volts DC
Current:	120 mA nominal (both LEDs "on")
Laser Class:	CDRH CLASS 2, IEC 825-1:1993/EN60825-1:1994
Weight:	1.7 oz./48 gm
Color:	Gray, yellow
Dimensions:	1.1" W x 1.7" L x 0.9" H/ 28 mm W x 43 mm L x 23 mm H

User Environment	
Ambient Light:	Up to 9,000 foot-candles sunlight and 450 foot-candles artificial light
Operating Temperature:	-4° to 122°F/-20° to 50°C
Storage Temperature:	-40° to 140°F/-40° to 60°C
Humidity:	5% to 90% noncondensing
Breakaway Factor:	20 lb./9 kg of pressure
Regulatory:	UL, C-UL, VDE, FCC Class A
Drop Specifications:	5'/1.5 m to concrete

### RS 1 Decode Zone

NOTE: Typical performance at 68°F/20°C on high-quality symbols



Depth of field as a function of minimum element width



For system, product or services availability and specific information within your country,  
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