

# WSS 1000 Wearable Scanning System Specification Highlights

## WSS 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)

## 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

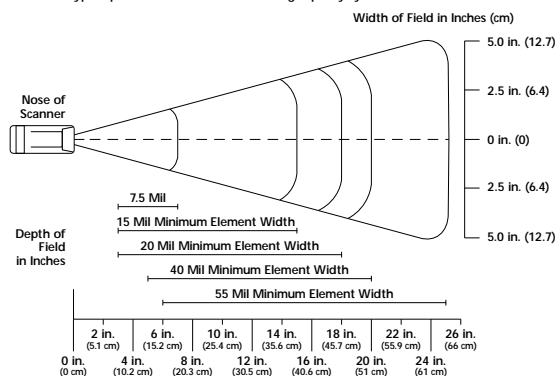
Voltage:	5 Volts DC
Current:	120 mA nominal (both LEDs "on")
Laser Class:	CDRH CLASS 2, IEC 825-1:1993/EN60825-1:1994
Weight:	1.7 oz./48 gm
Color:	Gray, yellow
Dimensions:	1.1" W x 1.7" L x 0.9" H/ 28 mm W x 43 mm L x 23 mm H

### 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



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