



# PHL 4000

wireless  
handheld terminal  
with touchscreen



32 MB SDRAM data storage  
32 MB Flash-ROM program  
storage

160x240 dot LCD display with  
resistive touch screen

alphanumeric keyboard  
(one alphacharacter per key)

PCMCIA slot for GSM card, or  
802.11b Spread Spectrum card

IP54 protection

Integrated miniature laser  
engine, 100 scans per second.

# SPECIFICATIONS **PHL4000** wireless handheld terminal with touchscreen

## Functionality

Memory	Main RAM	32 MB SDRAM
	Flash ROM	32 MB
Microprocessor	VR4121 (98.3 MHz)	
Display	LCD	160x240 dot module
	Backlight	EL
	LED	2 color LED (x1)
Keyboard	34 keys total Alpha/Numeric mode	
Trigger mode	Manual	
Programming	Functionality is provided by user application.	
Input devices	Touch panel	resistive input method
	Touch pen	proprietary pen
	Matrix key	4x8 matrix
Switch	Power switch	(x1)
	Triggerswitch	(x2)
	Battery cover	(x1)
	Reset	(x1)
COM interface	Infrared SIR	(115.2 Kbps max.)
	RS232	
	Spread Spectrum	(PCMCIA card)
	GSM	(PCMCIA card)
Scan speed	100 scan/sec	
Bar code reading	1D laser scanning	
	2D CMOS camera	(option)
Other	Real time clock	
	Buzzer	

## Environmental specifications

Temperature	Operating	-10 to +40
	Storage	-20 to +60
Humidity	Operating	10 to 90
	Storage	5 to 95
Protection	IP54	
Drop	1.5m on concrete surface	
EMI	CE norm complied	
Laser class	IEC-825, class I	

## Electrical specifications

Power supply	Main battery	Li-Ion Pack (1cell:UF-1011) 7V, 1700mAh
	Backup batt.	CR2032

Preliminary specifications are subject to change without notice. Printed 08-2002.