

BHT-300B Series Specifications

		BHT-302B	BHT-303B	BHT-30xBB	BHT-302BW	BHT-30xBWB
Scheduled for release		End of February 2004	Undecided	Undecided	Undecided	Undecided
Memory		5 MB(User area approx. 1.9MB)	9 MB(User area approx. 5.5 MB)		(User area approx. 1.9 MB)	
Display	Resolution	132 x 72 dots				
	Display device	Liquid crystal dot matrix display (Monochrome)				
	ANK	22 cha. x 9 lines				
	Character type	8 cha. x 4 lines				
Scanner	Kanji characters (standard)	11 cha. x 6 lines				
	Kanji characters (small)					
	Scanning system	Advanced Scan (CCD)				
	Scanning area	420 mm max. (with a distance of 400 mm from label)				
Keyboard	Readable codes	EAN-13/-8 (JAN-13/-8), UPC-A/-E, UPC/EAN with add-on codes, Interleaved 2 of 5, CODABAR (NW-7),CODE39, CODE93, CODE128 (EAN-128), Standard 2 of 5				
	Resolution	0.125 mm				
	Reading confirmation	2-color LED (red & green), buzzer, vibrator				
	Number of keys	26 keys (incl. power switch)+ 2 trigger keys				
Communications	Optical interface	Infrared interface (IrDA-SIR Ver. 1.2 [Low Power] compliant)				
	Communication speed	115.2 kbps max.				
	Transmission distance	Approx. 0.15 m				
	Standard	IEEE802.11b				
Power supply	Wireless interface					
	Wavelength	2.4 GHz				
	Transmission distance*1	Indoors: Approx. 75 m    Outdoors: Approx. 200 m				
	Modulation method	Spread spectrum communication (Direct sequence spread)				
Auxiliary functions	Communication speed*1	11/5.5/2/1 Mbps (with auto fallback)				
	Cable interface	RS-232C (115.2 kbps max.)				
	Main power	Lithium ion battery cartridge				
	Operation hours	Approx. 135 hours*2				
Environment equipments	Backup power	Approx. 24 hours*3				
	Auxiliary functions	Clock, beeper, vibrator, low battery indication, remote wakeup functions				
	Operating temperature range	-5°C to 50°C				
	Dust resistance and splash resistance	IP 54 (JIS splash proof)				
Weight	Drop resistance strength*4	1.5 m (30 times on a concrete floor)    1.2 m (30 times on a concrete floor)				
		Approx. 230 g    Approx. 240 g    Approx. 250 g    Approx. 260 g				

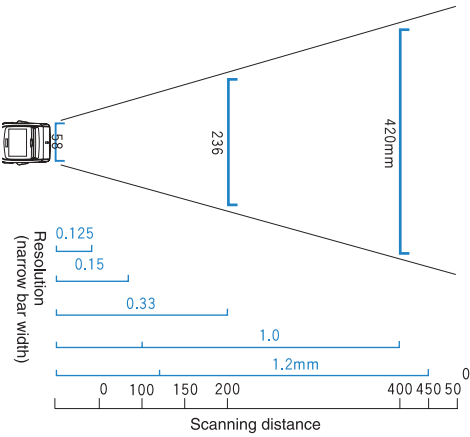
\*1: Communication speed and transmission distance may vary according to operating conditions.  
\*2: When reading twice in 10 seconds and not using the wireless interface.  
\*3: Backup power time calculated with a ratio of reading to wireless communication to display to standby mode of 1:1:1:20.  
\*4: Figures are provided for reference only and are not guaranteed.

CU-300 Specifications

		CU-301	CU-321*1
Communication	PC ↔ → CU	Communication system	IrDA-SIR Ver.1.2 (Low Power) compliant
		Communication speed	115.2 kbps max.
Display	CU ↔ → Host	Communication system	RS-232C    USB 1.1 Full Speed compliant
	LEDs	Power, communication	
Battery charger	Charge time	4 hours	Approx. 9 hours*2
Power source		AC/DC adapter	From connected device

\*1: Connection may not be possible depending on the type of PC or USB-HUB being used. Prior confirmation of compatibility is required.  
The AC/DC adapter (sold separately) is required when recharging or discharging the battery while power supply from the connected device is not possible, such as when it is turned off or suspended.  
\*2: Charge time may vary according to the power supply capability of the connected device. Charge time is 4 hours when using the AC/DC adapter

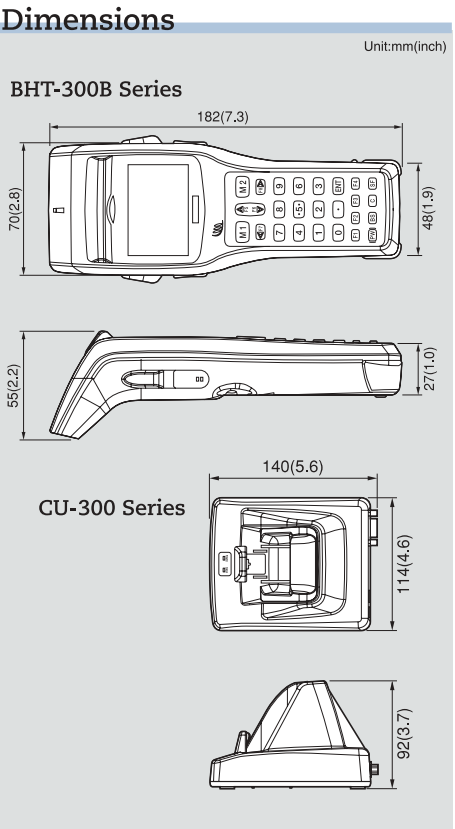
Scanning Performance



- Specifications are subject to change without notice.
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Barcode Handy Terminal  
BHT-300B Series

The New Standard in BHT Scanners



Accessories

- Hand strap    ●Operator's manual
- Lithium ion battery BT-20L

Options (Sold separately)

- Communication units  
CU-301CRS2  
CU-321 (USB)
- CU-311 (LAN)  
(Scheduled for release)
- Main unit battery charger (CH-351)
- Soft case and hip case (Scheduled for release)



Software

- BHT-BASIC expansion pack  
(BHT-BASIC 4.0 Compiler, BHT-BASIC Remote Debugger, BHT Transfer Utility, cable)
- BHT-BASIC 4.0 Compiler    ●BHT-BASIC Remote Debugger    ●BHT Transfer Utility
- BHT Transfer Utility DLL Pack    ●BHT Advanced Pack (BHT Application Generation Package)

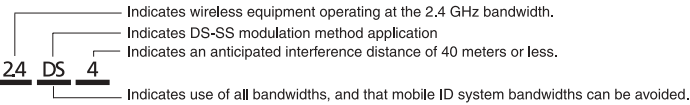
\*In BHT-7000 series compliant mode

Note regarding the use of the wireless LAN function

■Frequency

The 2.4 GHz frequency range used by this product may also be used in commercial, industrial and medical devices. Before using this product, ensure that other RF systems are not being used close by. If other mobile ID systems are subjected to electrical interference from this product, promptly change the location that the product is used in, or stop the emission of radio waves from the product. If other mobile ID systems are subjected to electrical interference from this product, or any other problem should occur, please contact your salesperson. (License required in Japan)

■Types of radio wave and interference distances



Retail



Logistics



Warehousing



# Feature Rich for Robust Flexibility The New Standard in Bar Code Handy Terminals

## 1 Reading

Utilizing industry-leading reading performance and advanced scan (CCD), the BHT-300B Series achieves touch reading and distance reading of up to 450 mm (when narrow bar width is 1.2 mm).

- Advanced Scanning Technology improves scanning of wider labels and poorly printed or damaged bar codes.



Quick and Easy Decoding



Superior reading in all lighting conditions

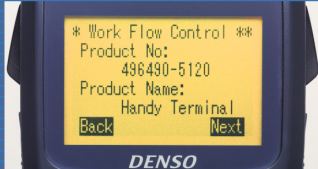


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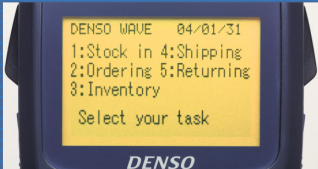
## 2 Viewing

### Largest screen in its class

- Choose from a large, easy-to-read font size, or a maximum 11-character x 6-line display (12 dot font).
- Includes a compliant mode with an 8-character 4-line display for utilizing applications from prior models (BHT-7000/5000).
- Capable of expanded display and horizontal or vertical display



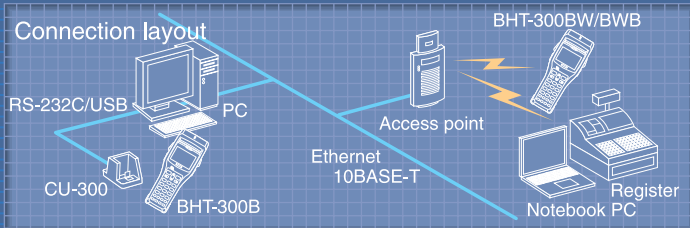
12-dot font display



16-dot font display

### Built-in wireless communication interface enables connection to an existing LAN

- The BHT-300BW/BWB models are compatible with the global standard IEEE802.11b, enabling wireless communication at a maximum of 11 Mbps.



- The BHT-300BB/BWB models are equipped with Bluetooth, enabling wireless connection to a portable printer.



### Industry-leading impact resistance and superior operating environment features

- The BHT-300B achieves drop resistance (concrete floor) of 30 times at 1.5 m.
- Passes IEC International Standards Protection Class IP 54 (equivalent to JIS splash proof) and reliably shuts out water and dust.



### Power-saving design achieves longer operating time

A high capacity lithium ion battery and power-saving design extends continuous operating time and reduces costs by eliminating the need for replacement batteries, as well as the inconvenience of managing battery recharging.

- 135 hours: When reading twice in 10 seconds and not using the wireless interface.
- 24 hours: When ratio of reading, wireless communication, display and standby mode is 1:1:1:20 (BHT-300BW/BWB)

## 3 Communication

## 4 Performance and Quality



## Barcode Handy Terminal BHT-300B S E R I E S

## Enhanced Features

### Easy-to-Use Design

The angled scanner head and lightweight body improves user productivity by making the BHT-300 series easy-to-use, especially for a retail, logistics and warehousing applications



### Vibrator

The vibrator accurately informs the operator of reading completion and errors, even in noisy operating environments.

### Easy-to-operate, highly durable key pad



### Advanced Expansion Pack

The BHT-300B series is compatible with BHT-BASIC 4.0, which is now equipped with even easier to use functions, with a high level of compatibility with conventional models, and easy transfer of applications.

### Remote Wakeup Function

The remote wakeup function enables the BHT-300B series of scanners to be controlled by a PC, as well as facilitating remote maintenance of master files, applications, and operating systems

## BHT-300B Series Lineup

**Standard Model:**  
BHT-300B

**Wireless LAN Model:**  
BHT-300BW  
BHT-300BWB

**Bluetooth™ Model:**  
BHT-300BB  
BHT-300BWB

\*: Denso Wave uses the Bluetooth trademark under express license from Bluetooth SIG, Inc., USA.

## BHT Advanced Pack BHT Application Generation Package

Version compatible with BHT-300B is scheduled for release at a later date. This software operates in BHT-7000 compatible mode.

Superior development software, from development to implementation

Easy Setup



Immediate mplementation



### Product Features

#### Easy Application Setup

Programming experience not required. Simply follow the on screen prompts to create your own application

#### Master File Conversion & Version Management

Master files can be converted using existing CSV, Excel, and Access formats. Master file and OS version management is also facilitated by automatic updates using communication tools.

#### Automatic Data Transfer

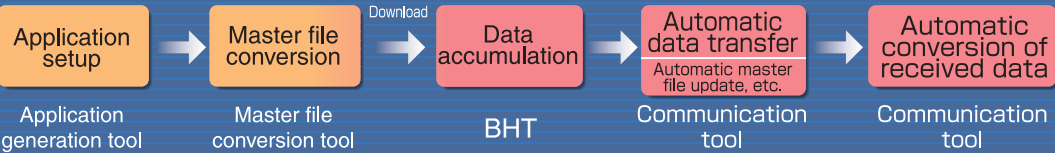
Compatible with automatic data transfer by constantly being on standby. Also LAN and wireless interface compatible.

Compatible with a variety of applications—from stocktaking to picking

Simple accumulation of bar code data enables use in a variety of applications, such as master file selection/reconciliation, etc.

- Stocktaking and warehouse management
- Verification of fail safe measures
- Picking and pre-delivery inspection instruction
- Delivery and receipt inspection

### Outline of setup and implementation process



### Settings (Expansion)

**Application Generation Tool (Recommended system requirements)**  
● Microsoft Windows 98SE or Windows 2000 XP (Home/Professional)  
● 200 MHz or higher Pentium-compatible CPU  
● Minimum 64 MB of RAM and 32 MB of hard disk space  
● CD-Rom drive, 800x600 resolution or higher, COM port

**Master File Conversion Tool**  
The following additional applications are required when converting master files of Access or Excel file types.  
● Microsoft Excel 97/2000/2002  
● Microsoft Access 97/2000/2002

**Communication Tool**  
The following additional applications are required when converting master files of Access or Excel file types.  
● Microsoft Excel 97/2000/2002  
● Microsoft Access 97/2000/2002

\*FTP server required when using LAN communication.

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