



BHT-300 Series

Data capture made fast and simple

BHT-300 Series: Robust, flexible and with numerous features.

Whether you use wireless LAN, Bluetooth® or infrared data transfer, Denso's BHT-300 series is ideal for fast and simple inventory and stocktaking.

Nor does it matter if you work with one or two-dimensional barcodes — the BHT-300 series has the right device for all your requirements.



Reading

High reading performance

- Scanning at ranges up to 450 mm
- Improved scanning of broader labels and badly printed or damaged bar codes

Viewing

Largest screen in its class

- Choose between a large, easy-to-read font size or a display of up to 9 lines with 22 characters each (12 point font)
- Alphanumeric characters, Kana and Kanji
- Compatibility mode with an 8-character, 4-line display for applications from earlier models (BHT-7000/-5000/-8000)
- The characters can be enlarged horizontally, vertically and simultaneously horizontally/vertically



Communication

Built-in wireless communication interface for connection to an existing LAN

- The BHT-300BW/BWB models are compatible with the global standard IEEE802.11b enabling wireless communication with up to 11 Mbit/s
- Security standards WPA/802.1x, WPA/PSK
- The BHT-300BB/BWB models are fitted with Bluetooth® – enabling wireless connection to portable printers

Performance and Quality

Functions for more flexibility

- Industry-leading impact resistance and superior operating environment features (the BHT-300 withstands being dropped onto concrete from a height of 1.50 m 30 times)
- Water and dust-resistance meet the IEC requirements of the International Standards Protection Class IP54 (equivalent to JIS splash proof)
- Power-saving design achieves longer operating time
- A 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: up to 135 hours when reading two bar codes twice in 10 seconds and not using the wireless interface. 24 hours assuming a reading to wireless communication to display to standby mode ratio of 1:1:1:20 (BHT-300BW/BWB)

- CCD (Charged Coupled Device) technology: No moving parts, very robust

Extended scope of function

User-friendly Design

The angled scanner head and lightweight body improve user productivity – ideal for retail, logistics and warehousing applications.

Easy-to-use, highly durable key pad

Magic keys to which you can assign any functions you wish. Cursor key enhances menu selection convenience. Resin-coated keys enhance durability.

Development Pack

The BHT-300 series is compatible with BHT-BASIC 4.0, which is now equipped with easy to use functions – it is compatible with earlier models and enables uncomplicated transfer of applications.

Vibrator

The vibrator reliably informs the user when the reading process has been completed and if any errors have occurred – even in noisy working environments.

Remote Wakeup Function

Makes it possible for it to be controlled from a PC and enables remote maintenance of master files, applications and operating systems.

Technical Data

Memory	
Display	
Resolutions	
Display device	
Character type	Alphanumeric Kana
	Kanji (standard)
	Kanji (small)
Scanner	
Scanning systems	
Scanning area	
Scannable Codes	2D-Codes
	Barcodes
Resolution	
Reading confirmation	
Keyboard	
Number of keys	
Communications	
Optical interface	Standard
	Speed
	Range
Wireless interface	Standard
	Frequency
	Range
	Speed
	Security
	Authentication
Bluetooth®	
Cable interface	
Power supply	
Main power	
Operating hours ⁽²⁾	
Auxiliary functions	
Environmental requirements	
Operating temperature	
Water/Dust proof	
Shock resistant	
Weight	



Superior ID-Technology

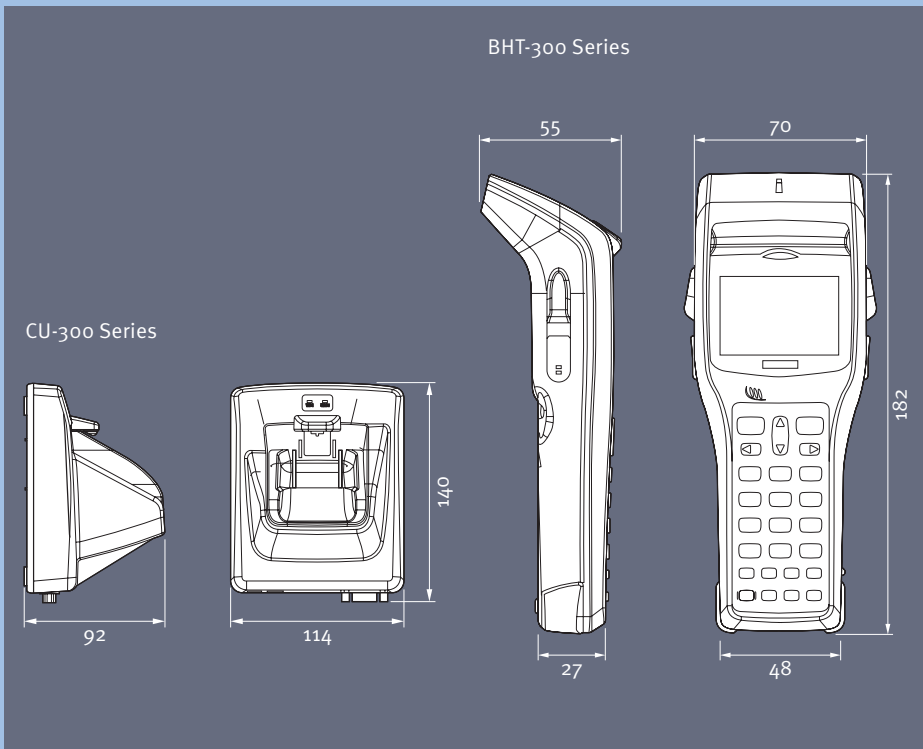


BHT-302B	BHT-303B	BHT-303BB	BHT-303BW	BHT-303BWB	BHT-304Q	BHT-304QW	BHT-304QB
5 MB (2.2 MB)	9 MB (5.8 MB)	9 MB (5.5 MB)	9 MB (5.25 MB)	9 MB (5 MB)	18 MB (12.5 MB)	18 MB (12 MB)	18 MB (12.25 MB)
132 x 72 dots							
Liquid crystal dot matrix display (Monochrome)							
9 lines x 22 characters							
4 lines x 8 characters							
6 Zeilen x 11 Zeichen							
Advanced Scanning (CCD)				Area Scanning			
max. 450 mm ⁽¹⁾				max. 260 mm			
-				QR Code, Micro QR Code, PDF417, MicroPDF417, Maxi Code, DataMatrix, EAN.UCC Composite			
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, MSI code				EAN-13/-8 (JAN-13/-8), UPC-A/-E, UPC/EAN with ad-on codes, Interleaved 2 of 5, CODABAR (NW-7), CODE39, CODE128 (EAN-128), MSI code, RSS			
0.15 mm				2D – 0.25 mm 1D – 0.15mm			
2-color LED (red/green), buzzer, vibrator							
26 keys (incl. Power switch) + 2 trigger keys							
Infrared interface (IrDA-SIR 1.2 [Low Power] compliant)							
115.2 kbit/s max.							
Approx. 15 cm							
-		IEEE802.11b		-		IEEE802.11b	
-		2.4 GHz		-		2.4 GHz	
-		Indoors: Approx. 75 m, Outdoors: Approx. 200 m		-		Indoors: Approx. 75 m, Outdoors: Approx. 200 m	
-		11/5.5/2.1 Mbit/s (with auto fallback)		-		11/5.5/2.1 Mbit/s (with auto fallback)	
-		WPA		-		WPA	
-		EAP-TLS, PEAP		-		EAP-TLS, PEAP	
-		Bluetooth® Ver. 1.2 Compliant Class 2		-		Bluetooth® Ver. 1.2 Compliant Class 2	
RS232C (115.2 kbit/s max.)							
Lithium-ion battery							
Approx. 135 hours				Approx. 48 hours			
Clock, beeper, vibrator, low battery indication, remote wake-up functions							
-5 °C ~ 50 °C							
IP54							
1.50 m (30 times onto floor) ⁽³⁾							
Approx. 230 g		Approx. 240 g		Approx. 250 g		Approx. 245 g	

(1): Narrow bar width: 1.2 mm or over, peripheral lighting min. 500 lux.
 (2): When reading twice in a 10 seconds and not using the wireless interface.
 (3): Test value; not guaranteed

BHT-300

Dimensions in mm



BHT Development Pack

BHT pack for creating applications

High performance development software for the whole process, from development to implementation. Easy installation, can be implemented immediately.

Accessories

- Lithium-ion battery BT-20L
- Hand strap

Optional Accessories (not supplied)

- Communication units:
 - CU-301 (RS-232C)
 - CU-321 (USB)
 - CU-311 (LAN)
- Battery charger for the main power supply battery (CH-351)
- Soft case and belt case

Technical Data CU-300

		CU-301	CU-321 ⁽¹⁾
Communication			
BHT ← → CU (Communication unit)	Method	IrDA-SIR Ver. 1.2 (Low Power) compliant	
	Speed	up to 115.2 kbit/s	
CU ← → Host	Method	RS-232C	USB 1.1 Full Speed (virtual Com Port)
Display			
LEDs		Power, communication	
Battery charger			
Charge time		4 hours	9 hours ⁽²⁾
Power source			
		AC adapter	From connected device or AC adapter

(1): Connection may not be possible depending on the type of PC or USB hub being used. First check if they are compatible. The AC/DC adapter (not included in the scope of delivery) is required for recharging or discharging the battery if no power supply is available via the connected device, such as when this is switched off or is in standby mode.

(2): Charge time may vary according to the power supplied by the connected device. Charge time with the AC/DC adapter is 4 hours.



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Note

Carefully read the user manual before using the device. Specifications are subject to change without notice. Information current as of August 2007.

Company Stamp