



# BHT-800 Series

Easy data collection at maximum speed

# BHT-800 Series: Powerful, fast and user-friendly



The BHT-800 Series offers outstanding reading performance at top speed. Depending on the model, performance can be as fast as 400 scans per second. Thanks to the use of CCD technology, even poorly readable barcodes can be reliably read. The high-resolution (QVGA) LCD color display and ergonomic design make the BHT-800 a pleasure to use. At the same time, DENSO Wave places great emphasis on robust and durable design. This is why the BHT-800 is the only device in its class specified to withstand the impact of 60 drops onto concrete from 1.2 m.



## Powerful

### CCD technology (Charged Coupled Device)

- Advanced scanning
- High-speed scanning: up to 400 scans per second
- Reliable reading of poorly readable barcodes
- Ability to read different types of code
- Touch reading

### Large memory

- 32 MB pre-installed
- Facilitated processing: master file and image data can be saved
- 20 hours of continuous use with wireless connection

## User-friendly

### Designed for ease of use

- Special software for easy installation, deployment and reliable operation
- Ergonomic design
- Secure data saving, even when changing the battery (Flash File System)
- Web browser

### Support tool (BHT Manager)

- Efficient management
- Simple administration
- Free updates

## Compatibility

- Development language BHT-BASIC 4.0
- Compatibility mode for existing BHT models
- QVGA screen is compatible with BHT-500 Series
- Can be used with BHT-300 peripherals (CU, charger, battery)

## Large display

- QVGA color display: 2.6 inch
- Good legibility and flexible use of colors (e.g. background)

## Durable

### Shock resistant

- High quality construction for reliability over many years
- Shock resistance: the only device in its class specified to withstand 60 falls onto concrete from 1.20 m
- Dustproof and waterproof according to the IP54 standard
- Synthetic resin protected keys to prevent wear and tear of the figures

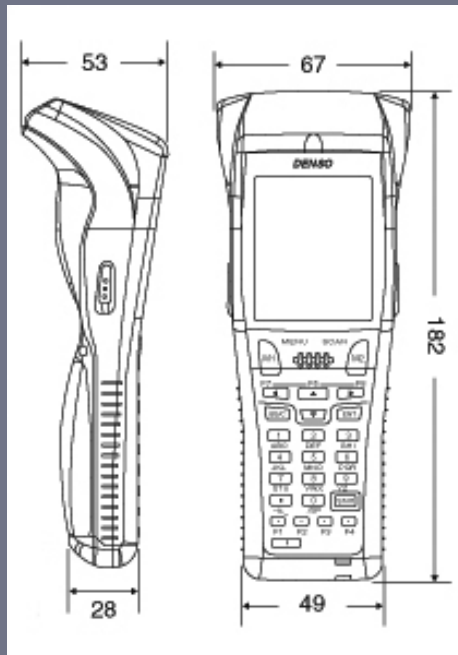
		BHT-805B	BHT-805BW
<b>Memory</b>			
		32 MB	
<b>Display</b>			
Resolution		2.6 inch QVGA color display	
Display device		Liquid crystal dot matrix color display	
<b>Scanner</b>			
Readable codes		EAN-13/-8, UPC-A/-E, UPC/EAN with add-on, Interleaved 2 of 5, Standard 2 of 5, CODABAR (NW-7), CODE39, CODE93, CODE128 (EAN-128), RSS (GS1)	
Resolution		0.125 mm	
Reading confirmation		Green, red, blue LED, buzzer, vibration	
<b>Keypad</b>			
Number of keys		25 keys (incl. Power switch) + 2 trigger keys	
<b>Communications</b>			
Optical interface	Standard	Infrared (IrDA-SIR Ver. 1.3 [Low Power] compliant)	
	Speed	4 Mbit/s max.	
	Range	Approx. 0.15 m	
Wireless interface	Standard	-	IEEE802.11b/g
	Frequency	-	2.4 GHz
	Range <sup>(1)</sup>	-	Indoor: approx. 75 m, outdoor: approx. 200 m
	Speed <sup>(1)</sup>	-	54 Mbit/s max.
	Access method	-	Infrastructure mode, Ad hoc mode
	Security	-	WEP40, 128, WPA-PSK (TKIP), WPA2-PSK (AES), WPA-1x (TKIP/EAP-TLS, PEAP), WPA2-1x (AES/EAP-TLS, PEAP), 802.1x (EAP-TLS, PEAP)
Cradle interface		RS-232C	
<b>Power supply</b>			
Main battery		Lithium-ion battery	
Operating hours		Up to 27 hours <sup>(2)</sup>	Up to 20 hours <sup>(3)</sup>
<b>Auxiliary functions</b>			
		Clock, beeper, vibrator, low battery indication, remote wake-up functions	
<b>Environmental requirements</b>			
Operating temperature		-5 °C ~ 50 °C	
Splash water/dust proof		IP54	
Shock resistance <sup>(4)</sup>		1.2 m (60 times on concrete floor)	
<b>Weight</b>			
		Approx. 200 g including battery	

- (1): Maximum range and speed depends on operating conditions  
 (2): When reading 2 barcodes within 10 seconds: set backlight to level 1  
 (3): At the ratio of: reading: wireless communication: screen rewriting: standby = 1:1:1:20  
 Backlight level = 1. Wireless device turns ON only during communication, otherwise it turns OFF  
 (4): Test value; not guaranteed

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## Dimensions in mm



## Accessories

- Lithium ion battery BT-20LB
- Hand strap

## Optional Accessories (not included)

- Communication units
  - CU-821 (USB)
  - CU-811 (LAN)
  - CU-801 (RS232C)
- Cradles
  - CH-854 (for four terminals)
  - CH-204 (for four batteries)
  - CH-851 (for one terminal)
  - CH-201A (for one battery)
- Optional BHT-300 Accessories
- Software
  - BHT-Basic 4.0



## Note

Carefully read the user manual before using the device. Specifications are subject to change without notice. Information current as of September 2009.

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