



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.



BHT-OS

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
- 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

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	BHT-805BB	BHT-805BWB	BHT-825Q	BHT-825QW	BHT-825QB
Memory		32 MB						
Display		2,6 Inch liquid crystal dot matrix color display						
Display device		2,6 Inch liquid crystal dot matrix color display						
Resolution		QVGA (240 × 320 pixels), 65,536 colors						
Scanner		Advanced Scanning (CCD) 1D						
System	2D codes	–				Area Scanning (CCD) 2D		
	Barcodes	EAN-13/-8, UPC-A/-E, UPC/EAN with add-on, Interleaved 2 of 5, Standard 2 of 5 ⁽¹⁾ , CODABAR (NW-7), CODE39, CODE93, CODE128 (EAN-128), RSS (GS1)						
Resolution		0.125 mm						
Reading confirmation		Green, red, blue LED, buzzer, vibration						
Keypad		25 keys (incl. Power switch) + 2 trigger keys						
Number of keys		25 keys (incl. Power switch) + 2 trigger keys						
Communications		Infrared (IrDA-SIR Ver. 1.3 [Low Power] compliant)						
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	–	IEEE802.11b/g	–	IEEE802.11b/g	–
	Frequency	–	2.4 GHz	–	2.4 GHz	–	2.4 GHz	–
	Range ⁽²⁾	–	Indoor: approx. 75 m, outdoor: approx. 200 m	–	Indoor: approx. 75 m, outdoor: approx. 200 m	–	Indoor: approx. 75 m, outdoor: approx. 200 m	–
	Speed ⁽³⁾	–	54 Mbit/s max.	–	54 Mbit/s max.	–	54 Mbit/s max.	–
	Access method	–	Infrastructure mode, Ad hoc mode	–	Infrastructure mode, Ad hoc mode	–	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)	–	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)	–	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)	–
Bluetooth®		–	Vers. 2.1 + EDR			–	Vers. 2.1 + EDR	
Cradle interface		RS-232C, USB, Ethernet						
Power supply		Lithium-ion battery						
Main battery		Lithium-ion battery						
Operating hours		Up to 27 hours ⁽³⁾	Up to 20 hours ⁽⁴⁾	Up to 27 hours ⁽³⁾	Up to 20 hours ⁽⁴⁾	Up to 27 hours ⁽³⁾	Up to 20 hours ⁽⁴⁾	
Auxiliary functions		Clock (RTC), beeper, vibrator, low battery indication, remote wake-up functions						
Environmental requirements		Clock (RTC), beeper, vibrator, low battery indication, remote wake-up functions						
Operating temperature		–5 °C ~ 50 °C						
Splash water/dust proof		IP54						
Shock resistance ⁽⁵⁾		1.2 m (60 times on concrete floor)						
Weight		Approx. 200 g including battery						

(1): Only 1D devices: BHT-805B, BHT-805BW, BHT-805BB, BHT-805BWB

(5): Test value; not guaranteed

(2): Maximum range and speed depends on operating conditions

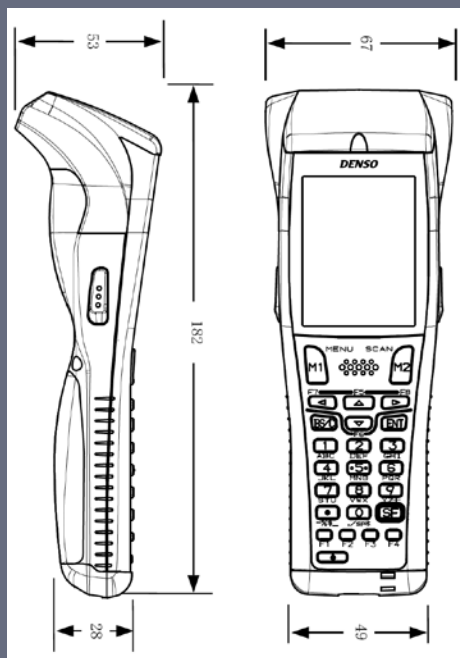
(3): When reading 2 barcodes within 10 seconds: set backlight to level 1

(4): At the ratio of: reading : wireless communication : screen rewriting : standby = 1:1:1:1:20

Backlight level = 1. Wireless device turns ON only during communication, otherwise it turns OFF

BHT-800

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-851 (for one terminal)
 - CH-854 (for four terminals)
 - CH-201A (for one battery)
 - CH-704 (for four batteries)
- 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 October 2011.

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