



**BHT-500 Series**  
High tech in elegant design

# BHT-500 Series: Brings new elegance into mobile data capture

The BHT-500 series combines high technology for high-performance mobile data capture with elegant design. The high-resolution (QVGA) LCD color display is regarded as the best of its type. The CCD technology ensures excellent read-out results. The BHT-500 series is ideally suited for use in the retail trade and in the health care sector.

The BHT-500 series supports DENSO OS. This operating system was developed by DENSO to satisfy the requirements of the auto-ID sector. Among other things it ensures high reliability, effective memory usage, low power consumption, reliable data and program storage, simple installation, support of HTML browsers, terminal emulation and downward compatibility with previous models.



## Powerful

### Advanced CCD Scan System

- No movable parts
- Particularly robust
- Optimum recognition even when barcodes are difficult to read or damaged

## Durable

### Long service life

- Shockproof (drop onto concrete from a height of 1.20 m)
- Dust- and water-resistant according to the international standard IP54



## Technical Data

<b>Memory<sup>(1)</sup></b>	
<b>Display</b>	
Resolution	
Display device	
<b>Scanner</b>	
Readable codes	
Resolution	
Reading confirmation	
<b>Keyboard</b>	
Number of keys	
<b>Communications</b>	
Optical interface	Standard
	Speed <sup>(2)</sup>
	Range
Wireless interface	Standard
	Frequency
	Range <sup>(3)</sup>
	Speed <sup>(3)</sup>
Cable interface	
<b>Power supply</b>	
Main battery	
Operating hours	
<b>Auxiliary functions</b>	
<b>Environmental requirements</b>	
Operating temperature	
Splash water/dust proof	
Shock resistance <sup>(6)</sup>	
<b>Weight</b>	

### Stylish

#### Elegant design

- Modern, compact, light model
- Stylish for use in an elegant environment, e.g. retail shops, boutiques, etc.
- Slender lines, easy to hold and use, ideal for women

### User-friendly

#### Latest LCD color display

- High-resolution QVGA color display
- Excellent display quality

#### Reliable operating system

- DENSO OS, especially developed for the auto-ID sector
- Stable, reliable, efficient, downward compatible with previous models



Superior ID-Technology



BHT-503B	BHT-504BW
8 MB (user area: 4 MB)	16 MB (user area: 11 MB)
240 x 320 (QVGA)	
Liquid crystal dot matrix color display	
EAN-13/-8, UPC-A/-E, UPC/EAN with add-on codes, Interleaved 2 of 5, Standard 2 of 5, CODABAR (NW-7), CODE39, CODE93, CODE128 (EAN-128), RSS	
0.125 mm	
3-color LED (red, green, blue), buzzer, vibrator	
24 keys (incl. Power switch) + 2 trigger keys	
Infrared (IrDA-SIR Ver. 1.2 [Low Power] compliant)	
460.8 kbit/s max.	
Approx. 15 cm	
-	IEEE802.11b/g
-	2.4 GHz
-	Indoor: approx. 50 m, outdoor: approx. 100 m
-	54 Mbit/s max.
RS-232C (115.2 kbit/s max.)	
Lithium-ion battery	
Approx. 48 hours <sup>(4)</sup>	
-	Approx. 20 hours <sup>(5)</sup>
Clock, beeper, vibrator, low battery indication	
-5 °C ~ 50 °C	
IP54	
1.5 m (30 times on concrete floor)	1.2 m (30 times on concrete floor)
Approx. 160 g	Approx. 170 g

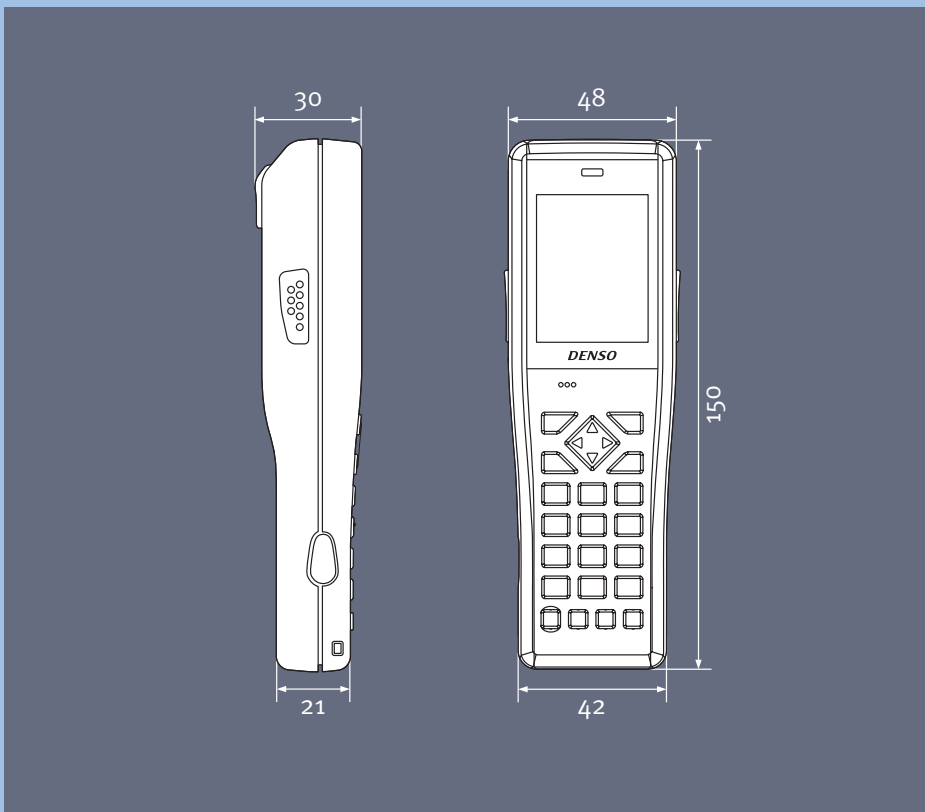
- (1): User area contains a font file domain (approx. 400 kbit)
- (2): When operating BHT-500B via CU-511 or CU-521 (out of IrDA standard)
- (3): Communication distance and speed depend on the working environment
- (4): When reading twice in a 10 seconds, backlightlevel=1
- (5): At the ratio of: reading : wireless communication : screen rewriting : standby=1 : 1 : 1 : 20. Backlight level=1  
Wireless device turns ON only during communication
- (6): Test value; not guaranteed

# BHT-500

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## Dimensions in mm



## Accessories

- Lithium ion battery BT-50L
- Hand strap

## Optional Accessories (not supplied)

- Communication units  
CU-501 (RS-232C)  
CU-521 (USB)
- Battery charger for the main power supply battery (CH-551)



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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 March 2009.

Company Stamp