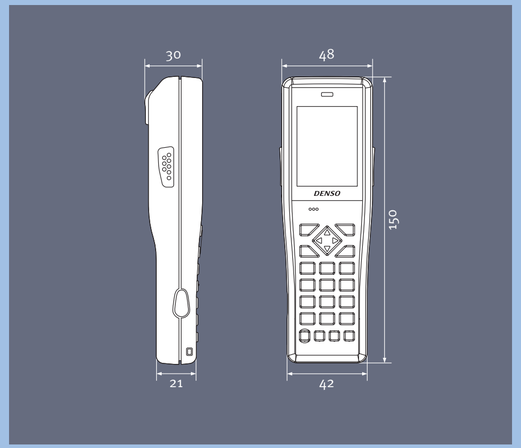
# BHT-500

DENSO
DENSO WAVE

## 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)

## Note

Carefully read the user manual before using the device. Specifications are subject to change without notice. Information current as of May 2008.

Company Stamp


# BHT-500 Series

High tech in elegant design

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

Superior ID-Technology

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 bar-codes 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

## 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

## Technical Data

| | | BHT-503B | BHT-504BW |
|---|---|---|---|
| Memory[1] | | | |
| | | 8 MB (user area: 4 MB) | 16 MB (user area: 11 MB) |
| Display | | | |
| Resolution | | 240 x 320 (QVGA) | |
| Display device | | Liquid crystal dot matrix color display | |
| Scanner | | | |
| Readable codes | | 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 | |
| Resolution | | 0.125 mm | |
| Reading confirmation | | 3-color LED (red, green, blue), buzzer, vibrator | |
| Keyboard | | | |
| Number of keys | | 24 keys (incl. Power switch) + 2 trigger keys | |
| Communications | | | |
| Optical interface | Standard | Infrared (IrDA-SIR Ver. 1.2 [Low Power] compliant) | |
| | Speed[2] | 460.8 kbit/s max. | |
| | Range | Approx. 15 cm | |
| Wireless interface | Standard | – | IEEE802.11b/g |
| | Frequency | – | 2.4 GHz |
| | Range[3] | – | Indoor: approx. 50 m, outdoor: approx. 100 m |
| | Speed[3] | – | 54 Mbit/s max. |
| Cable interface | | RS-232C (115.2 kbit/s max.) | |
| Power supply | | | |
| Main battery | | Lithium-ion battery | |
| Operating hours | | Approx. 48 hours[4] | |
| | | – | Approx. 20 hours[5] |
| Auxiliary functions | | | |
| | | Clock, beeper, vibrator, low battery indication | |
| Environmental requirements | | | |
| Operating temperature | | –5 °C ~ 50 °C | |
| Splash water/dust proof | | IP54 | |
| Shock resistance[6] | | 1.5 m (30 times on concrete floor) | 1.2 m (30 times on concrete floor) |
| Weight | | | |
| | | 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