

**BHT-S30**  
SERIES MOBILE COMPUTER

Tailor-made for your hands



Made for the easiest and most comfortable scanning ever:

The BHT-S30 with keyboard.

**The BHT-S30 captures the essence of what DENSO is all about: You!**

**Easy handling:** With its ergonomic shape, hand fitting size and light weight, the BHT-S30 feels like a natural extension of your hand.

**Perfect scanning:** Equipped with a state of the art scan engine in its core, it captures data in a breeze.



**EXCELLENT OVERVIEW**  
With the 2.4" screen everything that matters is in sight.



**ERGONOMIC GRIP**  
Shaped for a maximum ergonomic experience the BHT-S30 fits perfectly even into small hands.



**LONGEVITY IS KEY**  
The keys are made out of durable acrylic, giving them high longevity and offering superior haptics.



**ACCESSIBLE**  
The keys' and LEDs' colour scheme is adjusted so that users with colour blindness can easily differentiate between them



**RELIABLE OPERATION**  
Thanks to DENSO's original BHT-OS you will receive long term support and have the advantage of stable operation.

Focussing on the user's needs:

The application areas.

The BHT-S30 demonstrates its capabilities especially where data has to be collected and processed in bulk. Its ergonomic concept, optimum view of the display and easy-to-use functions are perfect for speeding up reading processes. Its great robustness makes the BHT-S30 ideal for countless indoor and outdoor applications.

- ORGANISE LOGISTICS** - Scan and locate your deliveries in real time using wireless LAN\* – for tracking and tracing and improved route planning.
- OPTIMISE FIELD SERVICE** - Record the process status and progress immediately on site and communicate with head office whenever you need to.
- PROFESSIONALISE RETAIL** - Whether it's for warehousing, ordering or sales management, collect data with precision – even if codes are damaged.

Tested to the extreme.  
It wouldn't be DENSO otherwise.

Innovation simply for the sake of innovating is not what DENSO's about. The BHT-S30 has passed our rigorous quality tests for robustness and durability, even in the harshest conditions.



Battery life perfect for long working hours.



Works at extreme temperatures from -20° to +50° Celsius.

**2.00 metres**

Survived umpteen fall tests from heights of up to 2.0 m.



IP54 - certified protection against water and dust.

# The result of continuous perfectionism: The technical highlights.

Wherever better performance is demanded, technology has to progress. The BHT-S30 makes advanced automatic ID technology the standard.

## Reads even difficult labels

Thanks to a new decode engine and a high resolution sensor, the BHT-S30 is able to read even the most difficult labels.



Smearred over



Poorly printed



Cracked



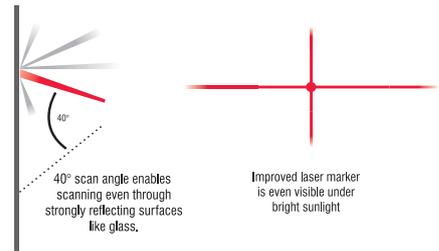
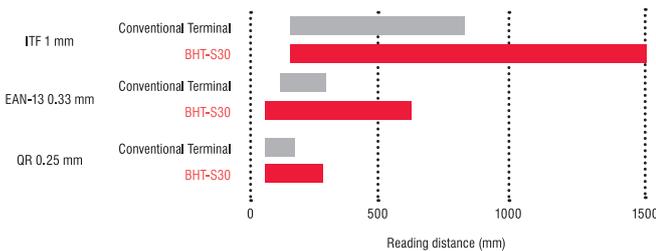
Close to other objects



Metallic surfaces

## Scans Quickly And Effortlessly Thanks To Advanced Technology From Denso.

It is no secret anymore that mobile data capture devices are a much faster option for processes like goods receipts or stock takings than the pen and paper method. The BHT-S30 accelerates those processes even more: thanks to a new decode engine combined with a high performance CPU, which leads to two times faster scanning than with conventional readers.



## Specifications

Model		BHT-S30-Q	BHT-S30-QW	BHT-S30-B	BHT-S30-BW
OS		Original DENSO-OS			
CPU		32-bit RISC microprocessor			
Memory		Flash ROM 128 MB (with a user area of approx. 84 MB)			
Display		Screen size & resolution *1 2.4" WVGA (240x32 dots)			
		Display device Dot matrix liquid crystal display (color)			
		Number of displayed characters *2			
		Small font 10 chrs. x 13 lines (full-width) or 20 chrs. x 13 lines (half-width)		Standard font 8 chrs. x 10 lines (full-width) or 16 chrs. x 10 lines (half-width)	
		Backlight White LED			
Reader		Reading method Area sensing		Advanced Scan Plus (CCD)	
		Supported code 2D code QR Code, Micro QR Code, SQRC, PDF417, Micro PDF417, Maxi Code, Data Matrix (ECC200), and GS1 Composite		-	
		Barcode EAN-13/8 (JAN-13/8), UPC-A/E, UPC/EAN (with add-on), Interleaved 2 of 5, Codabar (NW-7), CODE39, CODE93, CODE128, GS1-128 (EAN-128), Standard 2 of 5 (STF), and GS1 DataBar (RSS)		-	
		Minimum resolution 2D code 0.127 mm		-	
		Barcode 0.076 mm		0.125 mm	
		Marker Cross guide marker		-	
		Reading confirmation 3 color (blue, red, and green) LEDs, speaker, and vibrator			
Keys		Number of keys 25 keys + 3 trigger keys			
Communication		Wireless LAN connection			
		Standard -		IEEE.802.11ac/a/b/g/n	
		Frequency -		5.2GHz, 5.3GHz, 5.6GHz, 2.4GHz	
		Access method -		Infrastructure mode and ad-hoc mode	
		Security -		Encryption: WEP (40/128), TKIP, and AES WPA authentication: WPA and WPA2 User authentication: PSK, EAP-TLS, and PEAP	
		Bluetooth® Bluetooth® Version 5.0+EDR/LE (Supported profiles: GAP, SPP, HID, DUN, and GATT)			
		USB USB2.0 (Type-C)			
Power supply		Main battery Lithium-ion battery			
		Operating time*4 BT2 (3200 MAh) 95 hour *5 / 25 hour *6 95 hour *5 / 40 hour *7 98 hour *5 / 27 hour *8 98 hour *5 / 42 hour *7			
Card slot		FAT32-compliant microSD or microSDHC (up to 32 GB) x 1			
Additional functions		Clock, speaker, vibrator, battery voltage indicator, keyboard backlight, and remote wakeup			
Environmental requirements		Operating temperature *3 -20 °C to 50 °C			
		Operating humidity 20 to 80%RH (non-condensing and non-icing)			
		Protection rating IP54			
		Drop resistance 10 drops for each of the six faces downward on a concrete floor 1.5 m below (a total of 60 drops), 2.5 m			
Weight (incl. battery)		Approx. 233 g			

## Software

- BHT-BASIC4.0 Develop Pack
- BHT-BASIC4.0 Computer Transfer Utility
- BHT-BASIC4.0 Remote Debugger
- Transfer Utility
- BHT Browser
- BHT Term Emulator
- BHT Setting
- BHT Manager
- SQRC Setting

## Accessories (Sold Separately)

### Communication / Charger

- USB type: CU-S40U
- LAN type: CU-S40L
- RS232C type: CU-S40R
- 4-device charger CH-S40-4
- Battery charger CH-BT2
- 4-battery charger CH-BT2-4

### Batteries

- BT2 (3200 mAh)

### Others

- Hand strap
- Neck strap
- Waist case
- Soft case

\*1. The LCD display is manufactured with precise technology. The rate of non-defective pixels is 99.99% or more, which means that 0.01% or less pixels could be stuck or dead.

\*2. The small font is 48-dot size and the standard 60-dot size. There are also 24-dot, 30-dot, and 40-dot fonts.

\*3: 0 °C to 40 °C during charging.

\*4: The operating time is a reference value at a room temperature and may differ depending on the operating conditions.

\*5: With one reading pass over a 5s period. Backlight is on when scanning.

\*6: When ratios of scanning, wireless communication, rewriting of screen and holding durations are 1:1:1:20. Backlight is on when scanning, wireless communication, rewriting of screen.

\*7: 1 cycle 30 seconds = scanning (1 second), Bluetooth communication (transmission 1KB), rewriting of screen (1 second) and holding durations. Backlight is on when scanning, Bluetooth communication, rewriting of screen.