Components and Functions

Liquid crystal display (LCD)
Shows the characters and graphic patterns.

Indication LED
Illuminates in green when the BHT has successfully read a bar code.

Trigger switch (M4 key)
Press this switch to start bar-code reading.

Trigger switch (M3 key)
Press this switch to start bar-code reading.

IrDA interface port
Used to exchange data/programs with the host computer via its integrated IR port or via the optical communication unit CU-300.

Hand strap
Be sure to put your hand through this strap to prevent you from dropping the BHT accidentally.
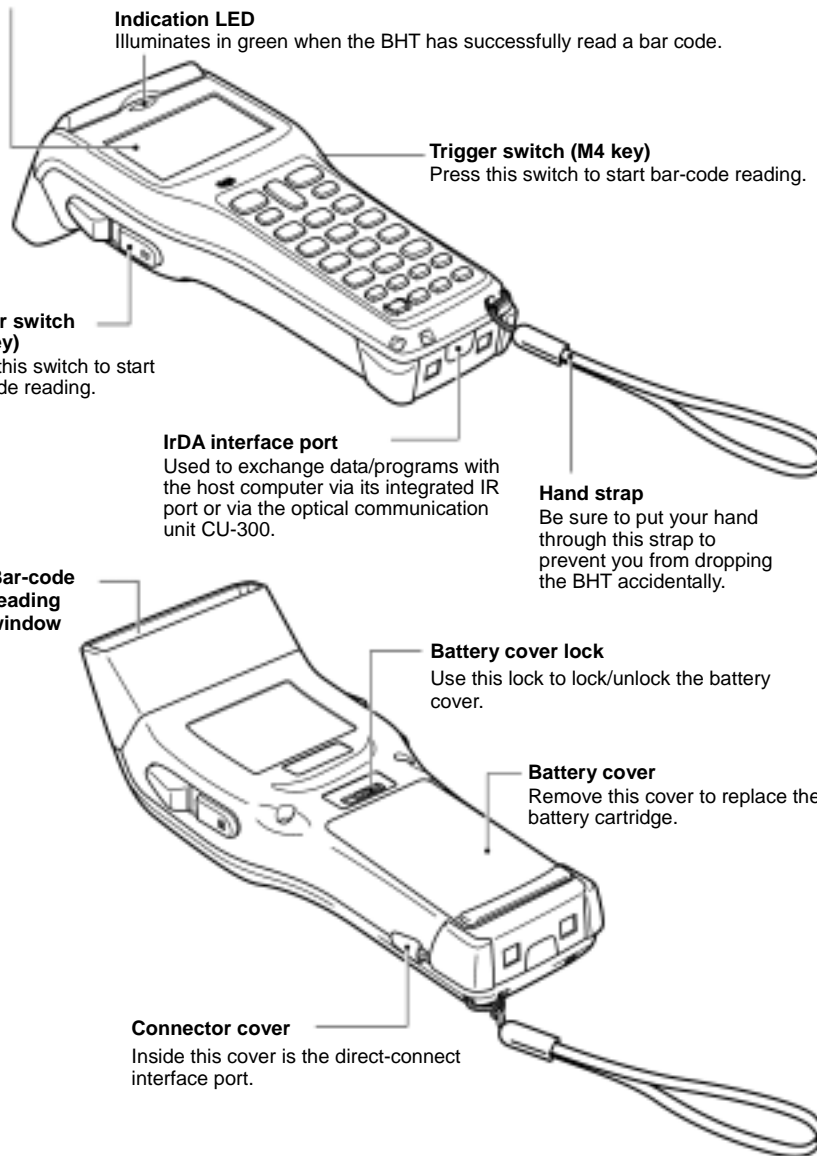
Bar-code reading window

Battery cover lock
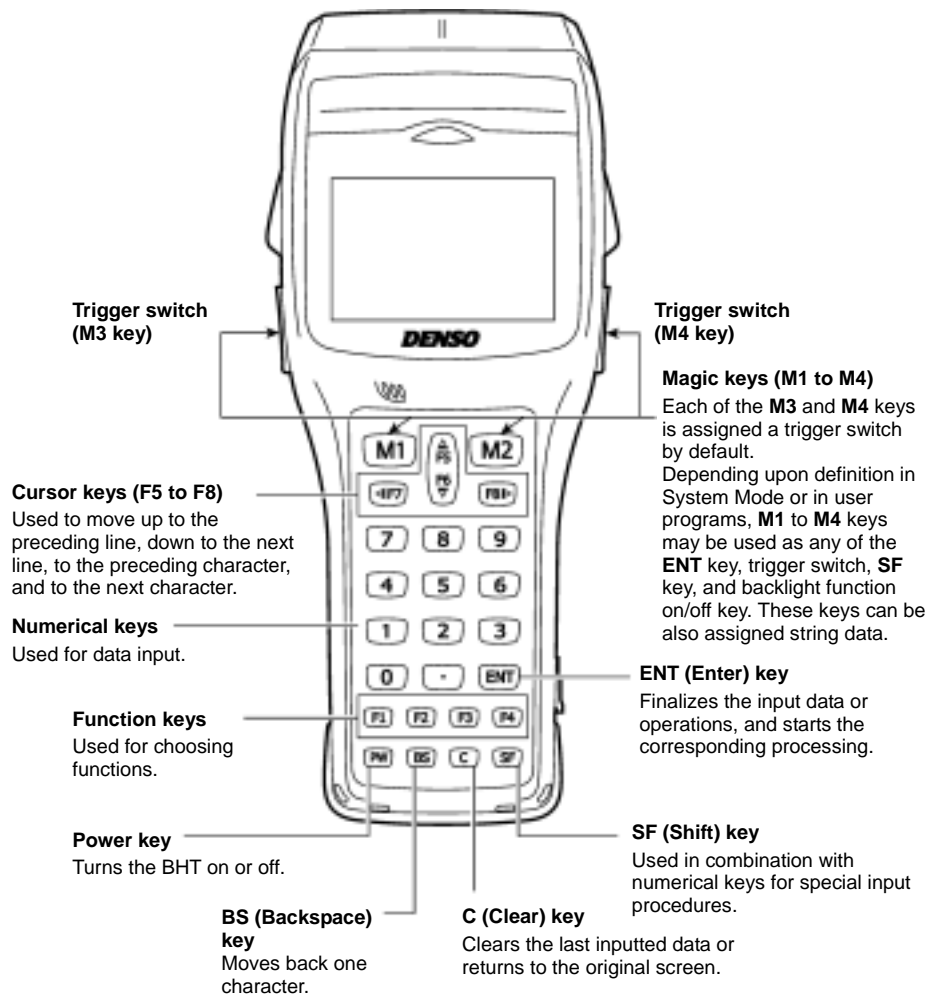Use this lock to lock/unlock the battery cover.

Battery cover
Remove this cover to replace the battery cartridge.

Connector cover
Inside this cover is the direct-connect interface port.

Trigger switch (M3 key)

Trigger switch (M4 key)

DENSO

Magic keys (M1 to M4)
Each of the **M3** and **M4** keys is assigned a trigger switch by default.
Depending upon definition in System Mode or in user programs, **M1** to **M4** keys may be used as any of the **ENT** key, trigger switch, **SF** key, and backlight function on/off key. These keys can be also assigned string data.

Cursor keys (F5 to F8)
Used to move up to the preceding line, down to the next line, to the preceding character, and to the next character.

Numerical keys
Used for data input.

Function keys
Used for choosing functions.

Power key
Turns the BHT on or off.

ENT (Enter) key
Finalizes the input data or operations, and starts the corresponding processing.

SF (Shift) key
Used in combination with numerical keys for special input procedures.

BS (Backspace) key
Moves back one character.

C (Clear) key
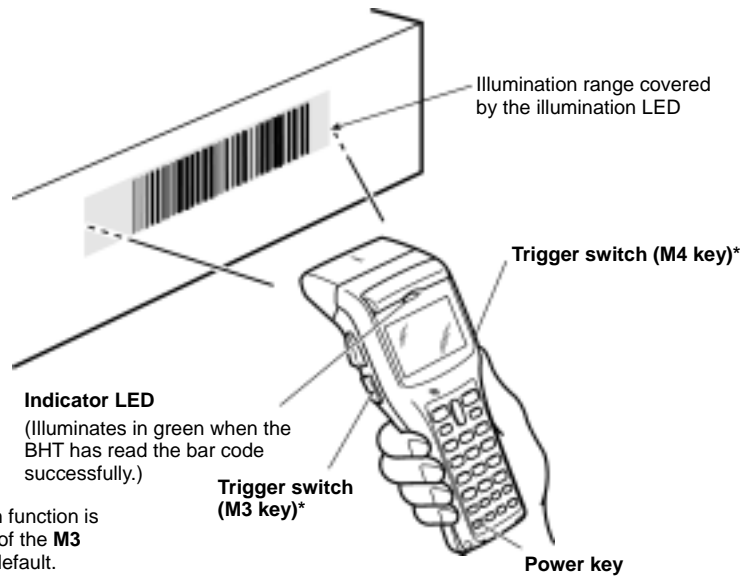Clears the last inputted data or returns to the original screen.
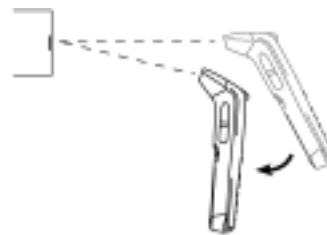
Reading Bar Codes

Turn the BHT on, bring the bar-code reading window to the bar code to be scanned, and press the trigger switch. The BHT turns on the illumination LED to scan the bar code.

When the BHT has read the bar code successfully, the indicator LED will illuminate in green.

Illumination range covered by the illumination LED

Trigger switch (M4 key)*

Indicator LED

(Illuminates in green when the BHT has read the bar code successfully.)

Trigger switch (M3 key)*

* The trigger switch function is assigned to both of the **M3** and **M4** keys by default.

Power key

- If the BHT fails to read due to specular effects or other factors, change the scanning angle of the reading window or the distance from codes as shown at right, and try it again. (Specular effects occur when the reflection of the light from the bar code becomes excessively strong. This can easily happen when the reflecting surface is polished or covered with vinyl.)

- To read bar codes wider than the readable area of the bar-code reading window, pull the bar-code reading window away from bar codes. The BHT can read bar codes at a maximum distance of 45 cm (17.7") from the bar-code reading window, respectively. **

  ** Under the following conditions:
  - Ambient illuminance: 500 lux (fluorescent lamp)
  - ITF conforming to the UPC Shipping Container Code
  - PCS value: 0.9 or more
  - Minimum narrow bar width: 1.2 mm min. (47.2 mils min.)

- The bar code reading procedure may differ depending upon the application used, so follow the application's manual.

NOTE
- Before reading labels, clean them if stained.
- Avoid using the BHT in direct sunlight. The BHT might fail to read correctly.
- To read bar codes on curved surfaces, apply the bar-code reading window to the center of each bar code at a right angle.
- If you pull the bar-code reading window away from bar codes, the actual scanning range will become narrower than the range covered by the illumination LED.
- The light intensity of the illumination LED will vary depending upon the scanning conditions and variation of its elements.

10. Information to user

DWBT003 is installed in the handy terminal, so DWBT003 has no user's manual.
FCC user's manual requirements that are FCC rule Part 15.21 and 15.105 are described on user's manual of the handy terminal.

US and Canada Regulations

This device complies with Part 15 of FCC rules, Canada ICES-003 and RSS-210 Rules.

Operation is subject to the following two conditions:
(1) this device may   not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE : This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules.   These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.   This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used on accordance with the instruction manual, may cause harmful interference to radio communications.   Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

NOTE : This Class A digital device apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

FCC WARNING : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION : Radio Frequency Radiation Exposure
This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment has very low levels of RF energy that it is deemed to comply without testing of specific absorption ratio (SAR).

Co-location : This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.