

DENSO

BARCODE HANDY SCANNER

AT20B

AT20B-SM (White)

AT21B-SM (Black)



AT21B-SM

AT20B-SM

The CCD scanner allows a wide reading range from close-up to distant

Light and compact body with cross-top lever relieves the burden of long-time operation

Durable cross-top lever gives you peace of mind even in emergency



This barcode scanner aims to provide comfort for long-time use. Maneuverability and durability are realized with the cross-top lever design.

Reading performance

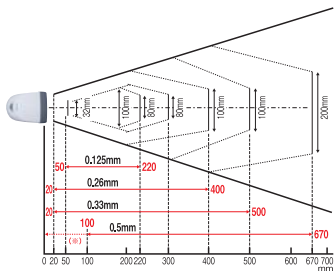
Operation efficiency up! High-speed reading

With the built-in high-end "Advanced Scan Plus" technology, the scanner reads two times as faster than all the previous devices, reading barcodes in continuous inspections and thus contributing to the improvement of operation efficiency.



Wide range reading

Both close-up and long-distance readings are possible. The scanner zooms in on the object for reading with no need to sense its position.



※ The broken lines (---) indicate the barcode widths beyond the possible reading widths of AT20-B.

Even the wide barcode is read smoothly

Can be used for wide bar codes such as logistic ITF, utility bills, medical supplies GS1-128 (EAN 128), CODE 39 of EIA labels.



Design

Light weight and compact body, the ultimate pursuit of "easiness of use"

- Operator's "easiness of use" is totally realized through the light weight and compact body. The burden of long-time operation is relieved.
- Easy-to-grip swelling shape is the perfect fit with the palm.



LED illumination for targeting easiness

Illuminating LED (guiding light beam) allows targeting on tiny barcodes and multi-section barcodes stuck on the substrates and reels more finely than the previous models, increasing the easiness of targeting.



Durability

Impact resistant cross-top lever gives you peace of mind even in emergency.

The outstanding durability is well proven through repeated drop test from the height of approximately 1.8m. You can use it with peace of mind even in emergency.



Anti-bacteria and weather durable design allows long-time use in a clean condition

The body is made of anti-bacteria and weather durable materials* which inhibit bacteria growth and prevent color changes caused by sunlight, you can use it for a long time with peace of mind.

※ Source: conformity with the JIS Z 2081.



Specification

| | | AT20B-SM (White) | | AT21B-SM (Black) | |
|-------------------------|----------------------------------|--|--------------------------------|--------------------|--------------------------------|
| | | RS-232C model | USB model | RS-232C model | USB model |
| Type | | AT20B-SM(R) | AT20B-SM(U) | AT21B-SM(R) | AT21B-SM(U) |
| Scanner part | Type | Advanced scanner plus | | | |
| | Applicable Code | EAN-13/8(JAN-13/8), UPC-A/E, UPC/EAN(with add-on), Interleaved 2of5(ITF), CODABAR(NW-7), CODE39, CODE93, CODE128, GS1-128(EAN-128), RSS(GS1 DataBar) | | | |
| | Minimum resolution | 0.125mm | | | |
| | Marker | LED marker | | | |
| | PCS value | Over 0.3 | | | |
| | Inclination and elevation angles | ±50° | | | |
| Communication Interface | Type | RS-232C | USB(COM, HID) ^{※1} | RS-232C | USB(COM, HID) ^{※1} |
| | Connector | Dsub-9 pin(mes) | USB connector (A type) | Dsub-9 pin(mes) | USB connector (A type) |
| | Cable | 2m straight | | | |
| Power | Power supply | Special AC adaptor | Supplied from connecting point | Special AC adaptor | Supplied from connecting point |
| | Environment conditions | Protection level | IP42 | | |
| Environment conditions | Drop durability ^{※2} | 1.8m×6times, on the six points of a 1.5m concrete bed for 10 time each (60 times) | | | |
| | Operation temp. range | -5~50°C | | | |
| | Operation humidity range | 10~90%RH(No frosting and freezing) | | | |
| | Operation ambient illumination | 20~10,000 lux (white fluorescent light) | | | |
| Mass (excluding cable) | | Approximately 105g | | | |

※1: USB keyboard interface and USB-COM interface are supported. ※2: Test value, not guarantee value.

Attached items

The device set

- Interface cable
- AC adapter (RS-232C AC adapter power supply type only)
- Operation guide
- Handling instructions

Software

- USB driver [Active USB-COM port driver]
- Setup software [Scanner Setting]
- Keyboard emulation software [QR kbif3.0]

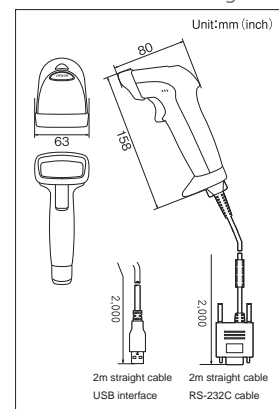
Options (to be purchased separately)

- Holding stand [S-AT20 (white)] [S-AT21 (black)]
- Hands-free stand [H-AT20 (white)] [H-AT21 (black)]



H-AT20 photo

Dimension drawing



● For more information of the product, please visit our homepage at <http://www.denso-wave.com/ja/adcd/> ● For the improvement of appearance and specifications, the product may be subjected to change without notice. ● The information of the catalogue was published in September, 2011.

Your requests and opinions

For your safe use

- Please read the instructions carefully before use and use the product correctly.

The solution to the environment

The solutions for environment: the development and design of Denso Wave products are based on the product EMS (environment management system) with an aim to provide products with less burdens on the environment.

<http://www.denso-wave.com/ja/corporation/about/eco/index.html>

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