

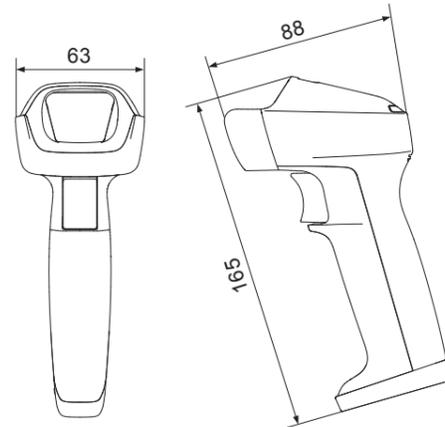


AT30 series specifications

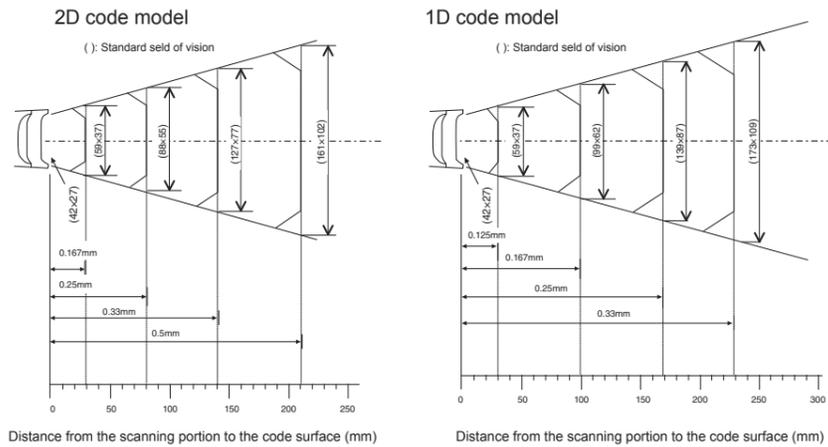
Type	AT31Q-SM(U)		AT31Q-SM(R)	
Scanner	Method	Area Sensor		
	Readable codes	2D Codes	QR code, SQRC, iQRcode, Micro QR code, Data Matrix (ECC200), PDF417, Micro PDF417, Maxi code, Aztec, GS1 Composite	
		1D Codes	EAN-13/8 (JAN-13/8), UPC-A/E, UPC/EAN (with add-on), Interleaved 2 of 5 (ITF), Standard 2 of 5 (STF), CODABAR (NW-7), CODE39, CODE93, CODE128, GS1-128 (EAN-128), GS1 Databar (RSS)	
	Minimum resolution	2D Codes	0.167 mm	
		1D Codes	0.125 mm	
	PCS value	0.30 min		
	Angle	±50°		
	Skew angle	360°		
	Image capture	BMP, JPEG output, thumbnail view		
	Scanning confirmation	Confirmation LED (Blue, Green, Red), Buzzer		
Marker	LED point marker			
Communication interface	Method	USB*1	RS-232C	
	Connector	USB connector (A type)	Dsub-9S	
	Cable	2 m	2 m, 5 m	
Power	Supply from the connection*2		Supply from the connection, directed AC adaptor	
Environment requirements	Protection rating	IP42		
	Drop resistance*3	0.2 mx100,000 times/2.0 m (on the concrete floor)		
	Operating temperature	-5~50°C		
	Operating humidity	10 to 90% RH (without dew)		
Weight (Except cable)	Approx. 125 g			

\*1: Two methods are supported: a USB keyboard interface and a USB-COM interface. The factory default is USB-COM interface. \*2: Please check the connection beforehand because this type of connection may not be possible depending on the model of the PC or USB hub. \*3: Result obtained in a test under regular temperature is shown and not meant as a guarantee.

**Dimensions** Unit: mm



**Scanning performance**



**Accessories**

- Scanner
- Interface cable
- AC adaptor (Only for the RS-232C model using an AC power adaptor)
- Operation Guide
- Instruction manual [HP](#)

**Optional accessories (separately sold)**

- Stand • S-AT30

**Software (separately sold)**

- USB driver (Active USB-COM port driver) [HP](#)
- Setting software (Scanner Setting 2D) [HP](#)
- Setting software (SQRC Setting)
- Keyboard emulation software (QR\_kbif) [HP](#)

[HP](#) Items with this mark can be downloaded on our webpages for free.



**Touch scanning of both linear and 2D codes**

For details on these products, see this webpage.  
<http://www.denso-wave.com/en/adcd/>

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DENSO WAVE INCORPORATED



# Touch scanning while checking codes enables every user to work accurately and quickly



## Operability supporting operators



### Touch scanning of both 1 and 2D codes while checking codes

The AT30Q supports not only distant scanning but also touch scanning, which enables every user to scan codes accurately. The innovative new design allows users to see the codes as they scan them.



### Supporting operators

Weighing just 125 g, the light and compact body reduces operator strain. Furthermore, a loud buzzer and highly visible check LED ensure readings are confirmed.



### Ergonomic design

The AT30Q is designed so the user can quickly pick up the scanner when lying down. Further, the grip's bulge ensures a gentle fit in the user's hand, reducing strain on operators who work for long periods. The trigger is designed so the user's finger naturally rests right on it and functions with a noticeable click feeling.



## Outstanding scanning performance



### Contributing to expanding services using mobile coupons and mobile membership cards

The AT30Q can scan codes displayed on mobile phones and smartphones. It can be used both for normal PoS check-out operation and reading mobile coupons and mobile membership cards, enabling a wide range of applications.



### Low risk illumination source

The AT30Q light source is low wavelength, so reducing potentially dangerous glare if directed towards someone's eyes. The soft illumination light ensures a people-friendly work environment.



### Highly capable for reading poorly printed labels

The AT30Q has such a high performance scan engine that it can read dirty, damaged and poorly printed codes.



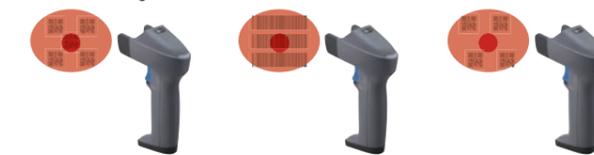
### Reading mode can be selected according to the operation

Point Scan Mode One-time reading of multi-row barcodes Concatenated QR Code reading

The AT30Q can read only the targeted code in the center even when multiple codes exist in the reading area.

AT30 can read a barcode with up to three rows at a time.

AT30 can read a concatenated QR Code at one time.



## Durability providing peace of mind for a long time



### Best-in-class durability



The AT30Q is designed to withstand a 2-meter drop impact and other multiple impacts during daily operations, it can resist 100,000 falls from a height of 20 cm, giving operators peace of mind for a long time about the product's integrity. Further, the AT30Q has an IP42 rating, providing protection against water and dust.



### Fail-proof design down to detail



The point of connection is often prone to failure so by providing a very robust and durable connector cover DENSO have ensured that this risk is minimised.

## Configuration function ensures easy deployment



### Parameters can be easily set on a PC

The AT30Q comes with the free software application "Scanner Setting 2D," enabling users to easily set parameters such as reading conditions and data formats, based on the objects to be read. Several convenient functions reduce customers' workload concerning application development.



### Data collation and edit functions eliminate the need for development of a dedicated application

The AT30Q is equipped with a function to compare the registered master data with the read data, which enables easy establishment of systems for taking inventory, etc. Furthermore, the software application "ADF Script" runs on the scanner, making it easy to edit data freely without developing a dedicated application, including data sorting, extraction and conversion.