

## [ AT20 Series ]



The AT20 Series of compact, lightweight scanners offers high-speed scanning, user-friendly operation and high durability, yet an affordable price. Advanced Scan Plus™ technology gives the AT20 Series twice the scanning speed of previous models, while the latest algorithms allow scanning of difficult-to-read barcodes. The scanners' shock-absorbing construction enables them to withstand rugged usage. Antimicrobial materials incorporated into the scanners' housing protect the devices against the buildup of bacteria, mold and fungi.

### HIGH-PERFORMANCE SCANNING

- ▣ Advanced Scan Plus™ technology gives the AT20B twice the scanning speed of previous models, for increased operator efficiency
- ▣ AT20/21Q scans 1-D and 2-D codes; AT20/21B scans 1-D codes
- ▣ Trouble-free scanning of wide barcodes such as the ITF-14, GS1-128 (EAN-128) codes used for utility and medical bills, and Code 39 on EIAJ labels
- ▣ Super-deep scanning field allows smooth close-up and distant operation, regardless of scanner position
- ▣ Using the latest algorithms, the AT20 Series can scan poorly printed or otherwise difficult-to-read barcodes

### USER-FRIENDLY FEATURES

- ▣ Compact, lightweight design reduces operator fatigue
- ▣ Comfortable, easy-to-grip handle
- ▣ Easy-to-push trigger
- ▣ LED guide-light improves ease of targeting, even when scanning multilevel or very small barcodes

### DURABILITY

- ▣ Shock-absorbing construction that allows it to withstand being dropped onto a concrete floor 6 times from a height of 1.8 meters or 60 times from 1.5 meters.
- ▣ IP42 dust- and water-resistant protection reduces risk of damage from environmental conditions
- ▣ Connector-cable locking mechanism prevents damage to the connector or cable
- ▣ Backed by a 5-year warranty on the scanners' housing

### ADVANCED FUNCTIONS

- ▣ Auto-sense mode allows scanner to be placed on stand for hands-free operation
- ▣ Data-verification feature allows verification to be done with a single scanner
- ▣ Data-editing feature allow simple programming (ADF scripting) for data truncating, sorting and converting
- ▣ Command-control feature enables scanner to be controlled by a PC, for fully automated operation
- ▣ Bluetooth® wireless communication (AT27Q-SB)

### CONFIGURATION SOFTWARE

- ▣ Simplifies implementation
- ▣ Either upload all parameters at once in batch operation from a PC via COM port, or output batch-configuration barcode for scanning by multiple units

### ANTIMICROBIAL

- ▣ Prevents growth of bacteria, mold and fungi on scanner; ideal for shared devices
- ▣ Protects device against odor- and stain-causing microbes
- ▣ Complies with JIS Z2801 antimicrobial test protocol

### ACCESSORIES

- ▣ Desktop mount
- ▣ Hands-free stand
- ▣ RS-232C cable (power from AC adapter)
- ▣ RS-232C cable (power from host unit)

## TECHNICAL DATA

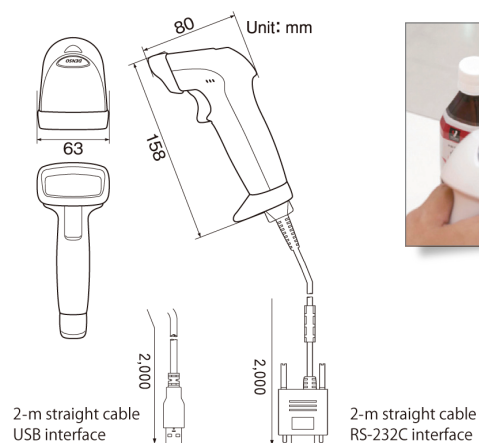
Model			AT20B/21-SM (R)	AT20B/21-SM (U)	AT20Q/21-SM (R)	AT20Q/21-SM (U)	AT27Q-SB
Scanner	Scanning System		Advanced Scan Plus (CCD)		Area Sensor		
	Readable code	2-D	N/A		QR Code, Micro QR Code, SQRC, iQR, DataMatrix (ECC200), PDF417, MicroPDF417, Maxi code, Aztec, GS1 DataBar Composite (EAN.UCC Composite), BQR		
		1-D	EAN-13/8 (JAN-13/8), UPC-A/E, UPC/EAN (with attached add-on codes), Interleaved 2 of 5 (ITF), Codabar (NW-7), Code 39, Code 93, Code 128, GS1-128 (EAN-128), RSS (GS1 DataBar)				EAN-13/8 (JAN-13/8), UPC-A/E, UPC/EAN (with attached add-on codes), Interleaved 2 of 5 (ITF), Standard 2 of 5 (STF), Codabar (NW-7), Code 39, Code 93, Code 128, GS1-128 (EAN-128), RSS (GS1 DataBar)
	Resolution	2-D	N/A		0.167mm		
		1-D	0.125 mm				
	Mobile QR		N/A		Reads cell phone codes (with backlight lit)		-
	Marker		LED				Area guide marker
	PCS value		More than 0.30				
	Skew angle		N/A		360°		
	Tilt/Elevation angle		±50°				
	Image Capture		N/A		BMP, JPEG output, thumbnail view		
	Reading Confirmation		3-color LED (blue/green/red), buzzer (with 3-step volume and tone control)				4-color LED (blue/green/red/orange), buzzer (with 3-step volume and tone control)
Communication I/F	I/F		RS-232C	USB COM, HID <sup>1</sup>	RS-232C	USB COM, HID <sup>1</sup>	Bluetooth Ver.2.1 + EDR-based class 2
	Connector type		9-pin D-Sub	USB Type A	9-pin D-Sub	USB Type A	-
	Cable		2 m straight cable				-
Power	Power supply		AC adapter	Supplied by connection target	AC adapter	Supplied by connection target	Exclusive battery (SB-28)
			Supplied by connection target		Supplied by connection target		
Environment Operation Conditions	Protection level		IP42 (Dust-and drip-resistant)				IP54
	Drop resistance <sup>2</sup>		2.0 m drop; 1.5 m drop 60 times; 0.2 m drop 100,000 times				1.8 m drop on each of 6 sides
	Humidity		10 to 90% RH (without dew)				
	Temperature		23 to 122°F (-5 to 50°C)				
	Ambient Light		0 to 10,000 lx (fluorescent light)				
Weight (excl. cable)			Approx. 105 g		Approx. 110 g		Approx. 200 g

1. Two interfaces supported : USB keyboard and USB-COM.

2. Test values only (not guaranteed).

Note: AT20 color is white; AT21 is black

## DIMENSIONS



Hand-Held Scanners  
Web page

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