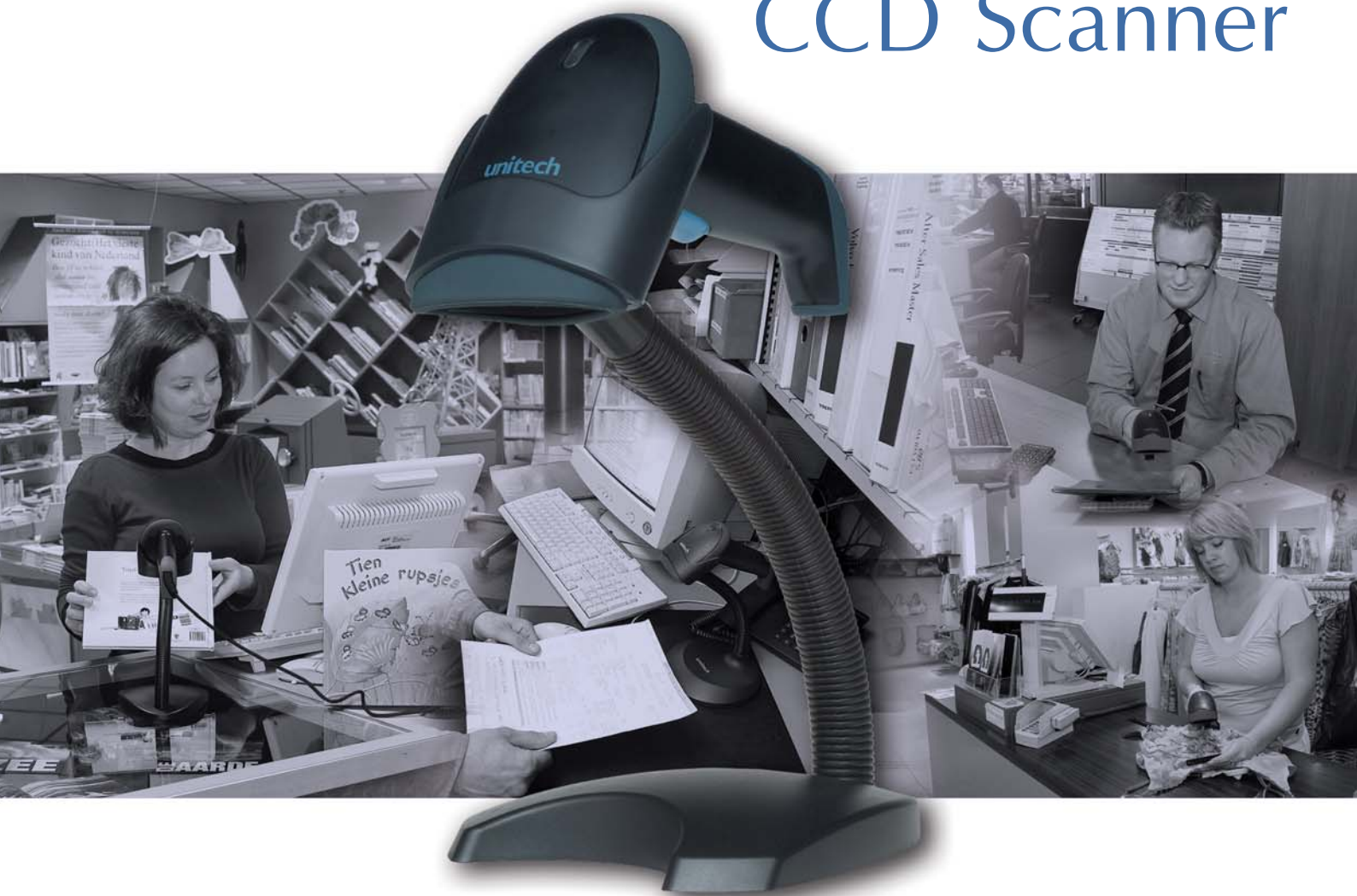


## Long Range CCD Scanner



The MS320 is a scanner that matches a laser scanner in performance by incorporating aggressive long range CCD scanning technology. It also gives the user excellent comfort thanks to its ergonomic and light weighted design yet robust finish.

It is built to withstand 1,5m multiple free drops to a concrete floor.

Besides supporting most common one dimensional barcodes the MS320 also supports a two dimensional barcode, PDF417.

This barcode is selected for applications in areas such as the automotive industry for key applications as shipping, product evidence, quality conveyance, production broadcast, configuration management and material safety data sheets.

As a valuable accessory, the MS320 comes (optionally) with an adjustable hands free stand for automated operation, It delivers the flexibility to operate as a presentation scanner, making the scanner suitable for your point of sale, office automation and document tracking applications.

### Features

- Supports most common 1D barcodes and the two dimensional barcode PDF417 (multi-row symbology)
- Robust design withstanding 1.5m to concrete floor
- Anti scud material (fits like a glove, doesn't slip out of your hand)
- Optional hands free stand for automatic scanning
- Contact and wide reading enables you to read labels up to 25cm DOF and up to 12 cm wide
- The interchangeable plug-in design allows you to replace the cable easily and minimizes downtime from damaged cables
- Setting the scanner via quick set-up or barcode manual through PC by scan utility software (RS232-cable required)
- Flash-ROM for easy post-purchase software upgrades via RS232 interface design
- Flexible connectivity via auto discriminating interface design

### Optical & Performance

Resolution	0.1mm (4mils) Code39, PCS=90%
Decode rate	200 scans/sec
Printing contrast	30% or more
Depth of field	0-250mm (Code 39, PCS=90%, 20mils)
Width of field	120mm
Scan angle	Front: 60° Rear: 60° Yaw: 75°

### Functionality

Decode capability	Auto-discriminates all standard barcodes;
Beeper Operation	7 tones or no beep
Indicator	Green LED

### Optical

Light source	660 nm Visible Red LED
Optical System	2048 pixel CCD (Charge-coupled device)

### Electrial

Power Supply	Input Voltage 5VDC $\pm$ 0.25V
Operating current	255mA @ 5VDC
Operating Standby	120mA @ 5VDC
Power operating	1275mW
Power Standby	600mW



### Symbologies

1D barcodes	Code 39, Code 39 Full ASCII, Codabar, Pharmacy Code(Italian), Standard 2 of 5, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, Code 93, Code 128/UCC EAN 128, MSI, Plessey, UPC/EAN codes incl.add-ons, ISBN, Telegen PDF 417 (multi-row symbology)
2D barcodes	

### Connectivity

Keyboard Wedge, RS232, USB

### Mechanical

Case material	ABS + PC
Cushion material	Rubber
Connector type	RJ-45 phone jack connector
Weight	187g
Dimension	H187 x L101 x W78

### Environmental

Operating temperature	0°C to 45°C (32°F to 113°F)
Storage temperature	-40°C to 60°C (-40°F to 140°F)
Relative humidity	5% to 90% relative humidity, non-condensing
Mechanical shock	1.5m drop onto concrete for 10 times

### Safety approval

UL, FCC CLASS A, CE CLASS A, BSMI

### Models

MS320-1G	MS320 CCD Scanner only
MS320-1KG	MS320 CCD Scanner including Keyboard wedge
MS320-1RG	MS320 CCD Scanner including RS232 cable with D9P connector
MS320-1UG	MS320 CCD Scanner including USB cable

### Accessories

1550-602094G	Keyboard wedge cable for MS320
1550-602096G	RS232 cable for MS320
1550-602097G	USB cable for MS320
5200-602095G	Hands free stand for MS320
1010-602071G	100~240V, 5V/500mA universal power adapter for RS232 cable



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