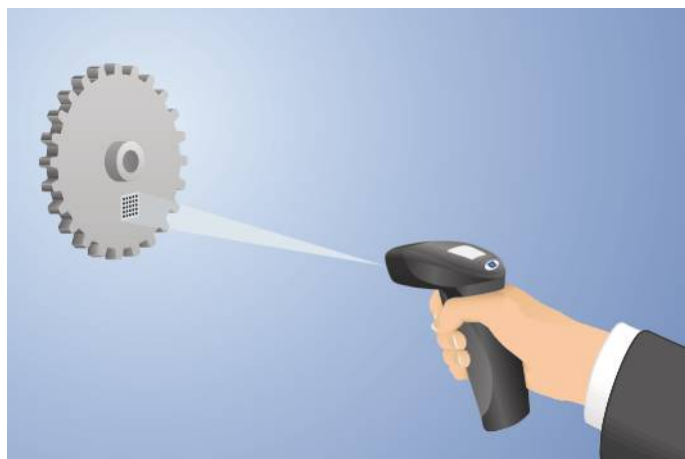# CSMH010

Part Number

- **Decoding of DPM codes (e.g. needle-punched, etched or embossed codes)**
- **Direct feedback after decoding (vibration, visual/acoustic signal)**
- **Quick alignment and capture of 1D/2D codes**
- **Resistant to cleaning agents**

These wenglor handheld scanners are suitable for mobile use with needle punched, printed, laser printed and etched 1D and 2D barcodes on a wide variety of different materials. Good scanning results are even obtained with poor code quality. Readable code types: DataMatrix, DataMatrix rectangle extension, QR codes, micro QR codes, QR model 1, Aztec code, PDF417, composite, Grid Matrix, Maxicode, micro PDF417, PDF417, code 11, code 32, code 39, code 49, code 128, interleaved 2 of 5, Telepen, MSI Plessey, Plessey, Pharmacode, UPC/EAN/JAN, Codabar, Codablock F, GS1 Databar, GS1 composite, Planet, Code93, BC412, Postal Codes.
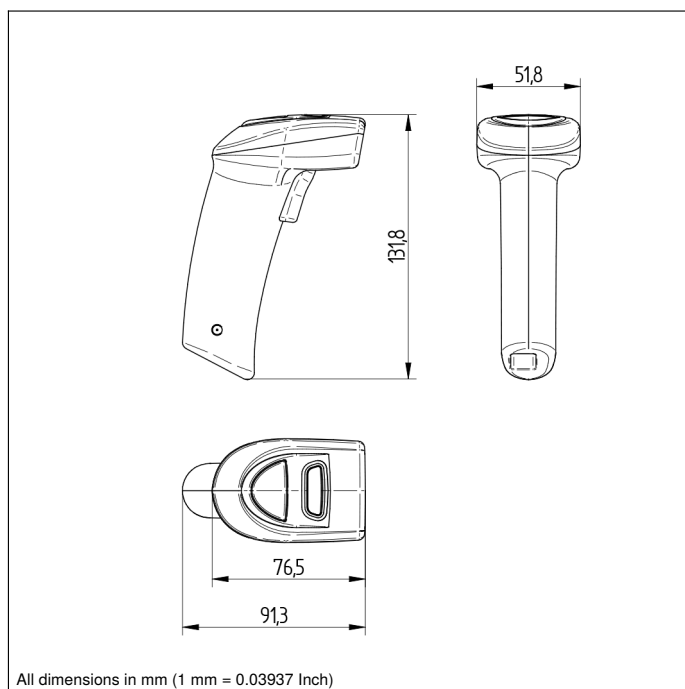
Technical Data

Optical Data	
Read Range	5...265 mm
Resolution	1280 × 960 Pixel
Light Source	Red Light
Max. Ambient Light	97000 Lux
Barcode Printing Contrast	> 15 %
Electrical Data	
Supply Voltage	5 V DC
Current Consumption (Ub = 5V)	< 350 mA
Temperature Range	-20...55 °C
Interface	RS-232
Baud Rate	< 115200 Bd
Acoustic signal	yes
Vibration signal	yes
Visual signal	yes
Mechanical Data	
Housing Material	Plastic
Weight	110 g
Degree of Protection	IP54
Connection	Prewired
Cable Length	240 cm
Shock Resistance	> 50 *
DPM codes	yes
RS-232 Interface	●
Suitable Mounting Technology No.	431

* Falls from a height of 1.8 m onto concrete

Complementary Products

Connection Line ZCLL001	
Fieldbus Gateway ZAGxxxN01, EPGG001	
Interface Cable ZDNV001	
Interface Cable ZDNV002	
Software	

1D/2D and Barcode Scanners

All dimensions in mm (1 mm = 0.03937 Inch)

Min. Resolution		Read Range 1D	Read Range 2D
1D	2D		
	0,107 mm		25 to 60 mm
	0,127 mm		20 to 70 mm
0,19 mm	0,16 mm	24 to 170 mm	12 to 92 mm
0,267 mm	0,254 mm	5 to 155 mm	5 to 150 mm
0,33 mm	0,528 mm	17 to 245 mm	10 to 265 mm