

# 1D/2D Handheld Scanner

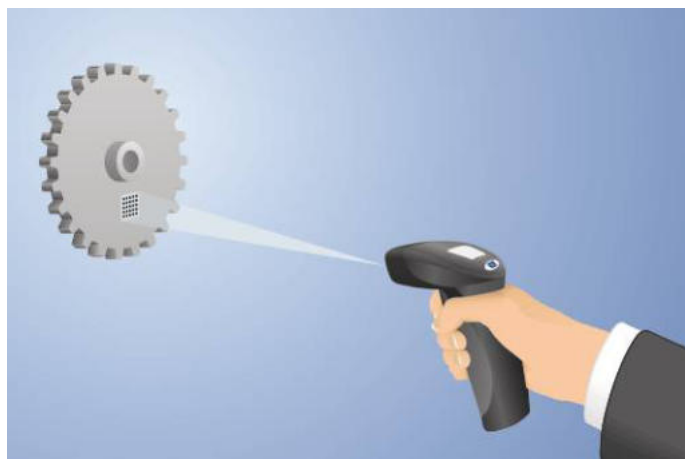
## CSMH004

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.

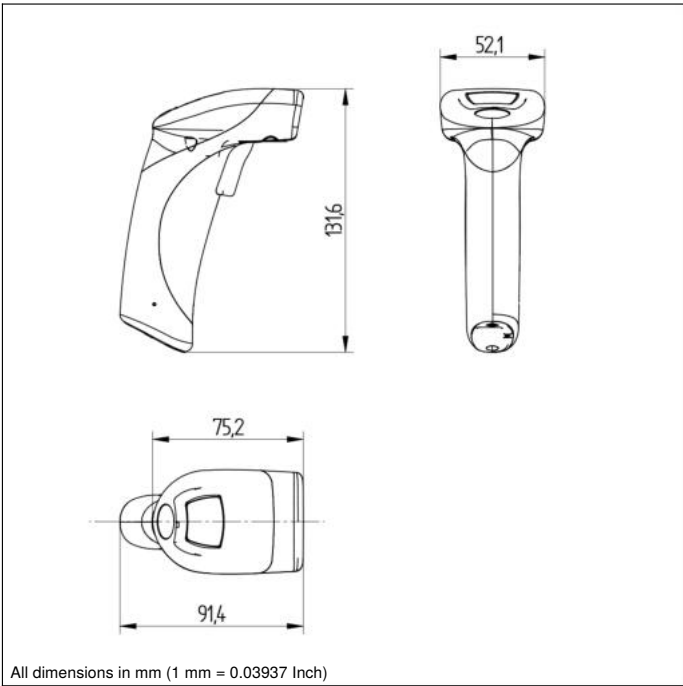


### Technical Data

| Optical Data                     |                  |
|----------------------------------|------------------|
| Read Range                       | 38...394 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           |
| Power Consumption                | < 2250 mW        |
| 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           |
| DPM codes                        | yes              |
| RS-232 Interface                 | ●                |
| Suitable Mounting Technology No. | 431              |

### Complementary Products

|                                     |
|-------------------------------------|
| Connection Line ZCLL001             |
| Fieldbus Gateway ZAGxxxN01, EPGG001 |
| Interface Cable ZDNN001             |
| Interface Cable ZDNN002             |
| Software                            |



| Min. Resolution |          | Read Range 1D | Read Range 2D |
|-----------------|----------|---------------|---------------|
| 1D              | 2D       |               |               |
| Density         |          |               |               |
| 0,127 mm        | 0,127 mm | 92 to 127 mm  | 94 to 117 mm  |
| 0,191 mm        | 0,191 mm | 56 to 165 mm  | 38 to 152 mm  |
| 0,254 mm        | 0,254 mm | 38 to 203 mm  | 41 to 196 mm  |
| 0,508 mm        | 0,508 mm | 58 to 394 mm  | 41 to 239 mm  |