



## Denso SE1 – Simply scan barcodes and RFID tags

- ✓ Handy with simple operation
- ✓ Reads 1D and 2D barcodes, optionally with RFID reader function
- ✓ Data transfer via Bluetooth to mobile phones, tablets or PCs
- ✓ Up to 100 hours operating time
- ✓ Robust protective cover made of silicone

## Features

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**Readable codes:** 1D, 2D, stack, RFID

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**Reading distance:** 3.5 - 30 cm

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**Feedback:** LED, beeper

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**Connectivity:** Bluetooth

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**Battery:** up to 100 h

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**Protection:** IPX2

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**Operating temperature:** -5 - 50 °C

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**Dimensions:** 40 x 27 x 99 mm

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**Weight:** approx. 60 g

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## Optional accessories

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**Charging station**

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**Hand strap**

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**Lanyard**

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**Protective cover**

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**Bluetooth communication unit**

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|                                  |                                    |                              | 2D Code Model                                                                                                                                                                      | 1D Code Model                                                                                                                                                                                            | RFID Model               |                                                                                                                                                                                         |                                                      |
|----------------------------------|------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Model                            |                                    |                              | SE1-QB                                                                                                                                                                             | SE1-BB                                                                                                                                                                                                   | SE1-BUB-C                |                                                                                                                                                                                         |                                                      |
| Scanner                          | Reading System                     |                              | Area sensor                                                                                                                                                                        |                                                                                                                                                                                                          | Advanced Scan Plus (CCD) |                                                                                                                                                                                         |                                                      |
|                                  | Readable codes                     | 1D Codes                     | EAN-13/8(JAN-13/8), UPC-A/E, UPC/EAN (with add-on), Interleaved 2 of 5 (ITF), CODABAR (NW-7), Standard 2 of 5 (STF), CODE39, CODE93, CODE128, GS1-128 (EAN-128), GS1 DataBar (RSS) | EAN-13/8 (JAN-13/8), UPC-A/E, UPC/EAN (with add-on), Interleaved 2 of 5 (ITF), CODABAR(NW-7), CODE32, CODE39, CODE93, CODE128, GS1-128 (EAN-128), GS1 DataBar (RSS), Standard 2 of 5 (STF), MSI, Plessey |                          | EAN-13/8 (JAN-13/8), UPC-A/E, UPC/EAN (with add-on), Interleaved 2 of 5 (ITF), CODABAR (NW-7), CODE 32, CODE 39, CODE 93, CODE 128, GS 1-128 (EAN-128), MSI, Plessey, GS1 DataBar (RSS) |                                                      |
|                                  |                                    | 2D Codes                     | QR Code®, Micro QR Code, iQR, SQRC®, PDF417, micro PDF417, DataMatrix (ECC200), Aztec, GS1 Composite (EAN, UCC Composite) Maxi Code                                                | -                                                                                                                                                                                                        |                          |                                                                                                                                                                                         |                                                      |
|                                  | Minimum resolution                 | 1D Codes                     | 0.125 mm                                                                                                                                                                           |                                                                                                                                                                                                          |                          |                                                                                                                                                                                         |                                                      |
|                                  |                                    | 2D Codes                     | 0.167 mm                                                                                                                                                                           | -                                                                                                                                                                                                        |                          | -                                                                                                                                                                                       |                                                      |
|                                  | PCS value                          |                              | 0.3 or more                                                                                                                                                                        |                                                                                                                                                                                                          |                          |                                                                                                                                                                                         |                                                      |
|                                  | Slope angle / elevation angle      |                              | + / - 50°                                                                                                                                                                          |                                                                                                                                                                                                          |                          |                                                                                                                                                                                         |                                                      |
|                                  | Scan confirmation                  |                              | LED (blue, red), buzzer                                                                                                                                                            |                                                                                                                                                                                                          |                          |                                                                                                                                                                                         | Tri-colour LED (blue, red, green), buzzer            |
|                                  | RFID                               | Readable and writable RF tag |                                                                                                                                                                                    | -                                                                                                                                                                                                        |                          |                                                                                                                                                                                         | Tags compatible with ISO/IEC 18000-63 (Class 1 Gen2) |
| Frequency                        |                                    | -                            |                                                                                                                                                                                    |                                                                                                                                                                                                          | 865.7 - 867.5 MHz        |                                                                                                                                                                                         |                                                      |
| Channel width/number of channels |                                    | -                            |                                                                                                                                                                                    |                                                                                                                                                                                                          | 600 kHz/4 ch             |                                                                                                                                                                                         |                                                      |
| Transmission output              |                                    | -                            |                                                                                                                                                                                    |                                                                                                                                                                                                          | 500 mW e.r.p.            |                                                                                                                                                                                         |                                                      |
| Modulation method                |                                    | -                            |                                                                                                                                                                                    |                                                                                                                                                                                                          | PR-ASK                   |                                                                                                                                                                                         |                                                      |
| Transmission rate                |                                    | -                            |                                                                                                                                                                                    |                                                                                                                                                                                                          | 40 kbps                  |                                                                                                                                                                                         |                                                      |
| Reading distance <sup>1</sup>    |                                    | -                            |                                                                                                                                                                                    |                                                                                                                                                                                                          | 30 mm                    |                                                                                                                                                                                         |                                                      |
| Communication Interface          |                                    | Interface                    |                                                                                                                                                                                    | Bluetooth Ver. 2.1 + EDR-based Class 2                                                                                                                                                                   |                          |                                                                                                                                                                                         |                                                      |
|                                  | Profile                            |                              | SPP, HID                                                                                                                                                                           |                                                                                                                                                                                                          |                          |                                                                                                                                                                                         |                                                      |
| Power supply                     | Power supply                       |                              | Alkaline AA battery x2 or AA Eneloop® battery x2                                                                                                                                   |                                                                                                                                                                                                          |                          | 2 x Eneloop® rechargeable batteries                                                                                                                                                     |                                                      |
|                                  | Charging method                    |                              | -                                                                                                                                                                                  |                                                                                                                                                                                                          |                          | The Eneloop® batteries can be charged inside or outside the main unit.                                                                                                                  |                                                      |
|                                  | Operating time                     |                              | 50 hours <sup>2</sup>                                                                                                                                                              | 100 hours <sup>2</sup>                                                                                                                                                                                   |                          | 12 hours <sup>3</sup>                                                                                                                                                                   |                                                      |
| Environmental requirements       | Protection rating                  |                              | IPX2                                                                                                                                                                               |                                                                                                                                                                                                          |                          |                                                                                                                                                                                         |                                                      |
|                                  | Drop resistance <sup>4</sup>       |                              | 1.2 m x 6 times drop on concrete floor                                                                                                                                             |                                                                                                                                                                                                          |                          |                                                                                                                                                                                         |                                                      |
|                                  | Operating temperature <sup>5</sup> |                              | -5° C to 50° C                                                                                                                                                                     |                                                                                                                                                                                                          |                          |                                                                                                                                                                                         |                                                      |
| Weight (excl. batteries)         |                                    |                              | Approx. 60g                                                                                                                                                                        |                                                                                                                                                                                                          |                          | Approx. 70g                                                                                                                                                                             |                                                      |

