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Barcode

1D 2D

HyWEAR compact sR

BASIC BARCODE WEARABLE

- Combination of compact Barcode scanner and comfortable, fingerless glove
- Ergonomic to use, even with different working gloves
- Safely housed in a pouch on the fingerless glove
- Easy integration into existing processes by Bluetooth 5.0
- 2 custom configurable buttons on the device for various configuration options
- Highly visible feedback LEDs, buzzer and vibration feedback
- Field swappable battery with high capacity



More efficiency for your logistical processes

The Basic Barcode Wearable HyWEAR compact sR makes manual material handling processes more efficient by freeing both hands to perform work. The powerful optical engine identifies 1D and 2D barcodes and is installed on a flexibly adjustable handcuff, leaving the user´s fingers, hand and arm free to move.

Great variety of applications

HyWEAR compact sR identifies a large number of common 1D and 2D barcode types and enables the user to work in a much more ergonomic manner. The scanning process is triggered simply by thumb using a tactile switch, additional visual feedback via the clearly visible status LEDs as well as the vibration feedback and acoustic signals ensure maximum process reliability and minimize the risk of incorrect scans.

Easy process integration by Bluetooth 5.0

HyWEAR compact sR works without special receiving stations and can be integrated immediately into existing process chains. Connection is made trough Bluetooth 5.0 with the available protocols HID and SPP.

High capacity battery increases flexibility and lowers costs

HyWEAR compact sR has a high capacity, long-life, rechargeable battery that powers the device for the duration of a working shift. Should the battery require replacement during a work period, it can easily be replaced with another fully charged battery. The modularity of this design lowers the maintenance costs.

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Technical data

Housing	robust ABS	
Dimensions (w x h x d)	60 mm x 50 mm x 23 mm (2.36 inch x 1.97 inch x 0.91 inch)	
Weight	approx. 70 g	
Color	black (translucent) / red	
Protection class	IP54	
Image resolution	752 x 480 Pixel	
Reading field of view	36° x 23°	
Aimer	650 nm Laser	
Barcode		
1D-Decoding	EAN-8, EAN-13, UPC-A, UPC-E, Code 128, Code 39, Code 93, Interleaved 2of5 (others on request)	
2D-Decoding	DataMatrix, QR Code, PDF417	
Radio functions	Bluetooth 5.0, Protocol: HID, SPP	
Signal indicator	red / green / yellow / blue Status LEDs Buzzer and vibration feedback	
Battery	1100 mAh Lithium-Polymer, 3.7 V	
Standard range*	Symbology / X-Dim	Near field- / Far field range
	DataMatrix – 10 mil	5.5 cm / 2.17 in to 13 cm / 5.12 in
	PDF 417 – 6,7 mil	5.5 cm / 2.17 in to 13.5 cm / 5.31 in
	Code 39 – 5 mil	5.5 cm / 2.17 in to 16.5 cm / 6.50 in
	QR Code – 15 mil	4.5 cm / 1.77 in to 17.5 cm / 6.89 in
	EAN 13 – 13 mil	6 cm / 2.36 in to 29 cm / 11.42 in

* Depending on print quality, contrast and lighting



Easy exchangeable battery



4-Bay Battery Charger



Usable with and without working gloves

Environmental conditions

Temperature range	
Operation	–20 °C up to 55 °C
Storage	–25 °C up to 85 °C
Humidity	5 % up to 95 % (non-condensing storage)
Drop	1.5 m drop to concrete
Drop resistance	500 rollovers from a height of 50 cm

Standard conformity

Radio licence	EN 300 328 (EU), FCC 47 CFR Part 15 (USA)
EMC	EN 301 489
Safety	EN 62368 (Low voltage directive), EN 50364 (Human exposure)
Others	RoHS, WEEE

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