

Intrinsically safe Bluetooth® handheld Ident-Ex® 02

IDENT-EX02-*



- For use in Zones 1/21 and Div. 1 as well as logistics and non-Ex areas
- Four scanner variants (Pocket, Grip, Grip+, Smart Grip) for maximum flexibility
- High-performance scanner solution for capturing all standard 1D/2-D codes
- Optimal connectivity with Bluetooth® Classic and 5.4 LE for connection to a wide variety of (mobile) devices
- Highest quality, reliability, and a guaranteed product lifecycle of eight years through in-house development and support in Germany

Mobile Wireless Bluetooth 1-D/2-D Barcode Scanner for Zone 1/21, 2/22 and Class I, II / Division 1, 2 hazardous areas. The various designs (Pocket, Grip, Grip+ and Smart Grip) and two scanning ranges enable versatile use.



Function

The wireless Ident-Ex 02 is a 1-D/-2-D-barcode scanner for use in ATEX / IECEx Zone 1/21, 2/22 and Class I,II hazardous areas. There are **4 configurations** available: Pocket, Grip, Grip+, and Smart Grip.

- The **Pocket** mode is a stand-alone portable scanner. It is the **smallest and lightest scanner for Zone 1/21 and Div. 1 on the market**.
- **Grip**: Scanner with ergonomic grip and trigger handle.
- **Grip+**: Scanner with ergonomic grip and trigger handle with magnetic in-zone charging.
- Grip and Grip+ can be upgraded to **Smart Grip** by attaching a cradle that hosts a Smart-Ex® 03 or Smart-Ex® 203 device.

All variants support **USB-C charging** and offer either a **Flex Range (up to 10 m)** or **Long Range (up to 25 m, except Grip+)** scan-engine. The Ident-Ex 02 can be used with any Bluetooth® mobile device or PC, or fully stand-alone without any additional device.

Technical Data

Hardware

Scanner	
Scan engine	Honeywell FlexRange™ N6803FR Honeywell FlexRange™ N6803LR
Sensor technology	Flex Range: Global shutter Long Range: Global shutter (near), Rolling shutter (far)
Resolution	Flex Range: 1920 x 800 pixel (near) 1280 x 800 pixel (far) Long Range: 1920 x 800 pixel (near) 1920 x 800 pixel (far)
Scan rate	Flex Range: 40 fps default (60 fps max.) Long Range: 30 fps default
Aimer	Flex Range: green laser dot Long Range: red laser dot (Class 2 Laser Product)
Illumination	white
Read distance	Flex Range: up to 10 m Long Range: up to 25 m
Field of view	Flex Range: 48° x 21° (near) 20° x 12° (far) Long Range: 48° x 21° (near) 13.7° x 7.6° (far)

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Technical Data

Supported barcode symbologies		Linear: Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8,IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5,MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13with Extended Coupon Code, Coupon GS1,Coupon Code 32 (PARAF), EAN-UCC Emulation 2D Stacked: Codablock A, Codablock F, PDF417, MicroPDF417 2D Matrix: Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code Postal: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet
Internal data memory		Offline data storage: Stores up to 2,048 barcodes (optional with timestamp)
Indicators/operating means		
Key		User button, Trigger button (Trigger, On/Off), Pairing button
Electrical specifications		
Battery type		Li-Ion battery 1430 mAh
Charging time		approx. 2.5 h
Operating duration		approx. 8 h / 3000 scans
Power supply		5 V / 3 A
Interface		
I/O ports		USB-C Special Pogo magnetic connector (only Grip, Grip+ and Smart Grip)
Communication		
Bluetooth		5.4 with Bluetooth® Low Energy
Ambient conditions		
Relative humidity		Up to 95% at 50°C, non-condensing
Mechanical specifications		
Degree of protection		IP68 according to EN/IEC 60529 ¹ ¹ Protected against the effects of continuous immersion in water (1.5 m depth for 45 min)
Mass		Pocket: approx. 150 g Grip/Grip+: approx. 260 g Smart Grip: approx. 330 g
Data for application in connection with hazardous areas		
ATEX approval		
ATEX certificate		Pending
ATEX marking		Pending
International approvals		
IECEx approval		
IECEx certificate		Pending
IECEx marking		Pending
NEC/CEC approval		
NEC/CEC certificate		Pending
NEC/CEC marking		Pending
General information		
Scope of delivery		Ident-Ex® 02 Grip (only Grip, Grip+ and Smart Grip) Cradle (only Smart Grip) USB-C cable Documentation

Type Code

Ident-Ex® 02

IDENT-EX02-	(1)-	(2)-	(3)-	(4)
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Product series

IDENT-EX02-	Intrinsically safe Bluetooth® handheld
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Type Code

(1)-	Explosion protection
DZ1-	Division 1 and Zone 1/21
DZ2-	Division 2 and Zone 2/22

(2)-	Approval
AI--	ATEX, IECEx

(3)-	Scanning / reading range
F-	Flex Range (up to 10 m)
L-	Long Range (up to 25 m)

(4)	Variant
P00-00-..	Pocket
G00-00-..	Grip
H00-00-..	Grip+ (HMI version, only with Flex Range)
S00-00-03	Smart Grip for Smart-Ex 03
S00-00-23	Smart Grip for Smart-Ex 203

Example

IDENT-EX02-	DZ1-	AI--	F-	P00-00-..
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Accessories

Accessories for this product can be found on the internet at www.pepperl-fuchs.com.