

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 1-D/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), along with two scan 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)

Release date: 2026-10-12 Date of issue: 2026-10-12 Filename: 70198683_eng.pdf

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

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Technical Data

Supported barcode symbologies	<p>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-13 with Extended Coupon Code, Coupon GS1, Coupon Code 32 (PARAF), EAN-UCC Emulation</p> <p>2D Stacked: Codablock A, Codablock F, PDF417, MicroPDF417</p> <p>2D Matrix: Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code</p> <p>Postal: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet</p>
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

Accessories

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