



Handheld barcode reader

PSCAN-D-1*-F2-*

- Approved for Zone 1 and 21 (ATEX)
- Temperature range:
-10 ... +50 °C
- Standard reading distance: approx. 60 - 1100 mm
- All 1-D standard barcode families supported
- Aiming system with a red spot for safety reading
- Functional reliability guaranteed after fall from 2 m
- Reliable reads damaged and dirty barcodes using the patented Puzzle Solve™ technology
- Triple green light (3GL™) for good read feedback

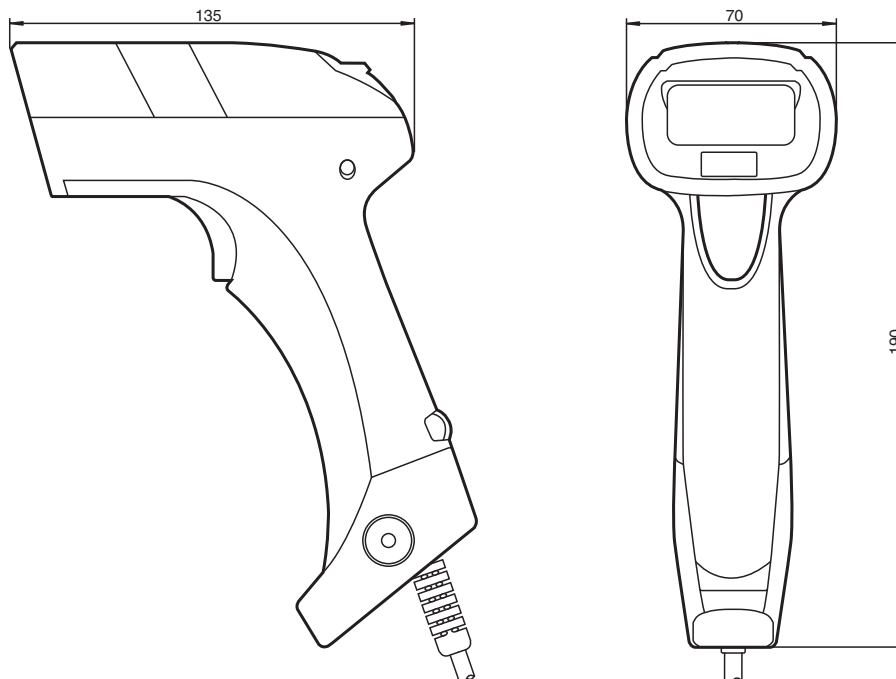
Handheld barcode reader



Function

PSCAN devices are barcode readers for use in harsh industrial conditions. Typical applications comprise data logging and logistics. Barcode readers are available as wired barcode readers and as wireless barcode reader systems. PSCAN devices are suitable for use with VisuNet operator workstations, TERMEX operator panels or as a stand-alone solution. The wired barcode reader is connected via a junction box to Host PC, which can be located up to 150 meters away in the safe area. Wired barcode readers are especially suitable for stationary use, where the focus is on secure and fast data transmission.

Dimensions



Release date: 2020-12-15 Date of issue: 2020-12-15 Filename: t44862_eng.pdf

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

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 **PEPPERL+FUCHS**

Technical Data

General specifications			
Light type		laser diode 630 ... 680 nm	
Readable codes		2/5 Family, Code 39, (plus Code 32, Clip 39), EAN/UPC, EAN 128, Code 128, Code 93, CODABAR, Code 49, Code MSI, Code 11, Code 16K, ISBN/ISSN, ISBT 128, GS1DataBar™ (once RSS)	
Laser class		Class 2 - EN 60825-1, CDRH	
Scan rate		30 ... 40 s ⁻¹	
Beam deviation angle		max. 42 °	
Read distance		60 ... 1100 mm	
Resolution		0.076 mm (3 mils)	
Electrical specifications			
Operating voltage	U _B	8 ... 9 V	
Current consumption		100 mA	
Directive conformity			
Electromagnetic compatibility			
Directive 2004/108/EC		NE 21:2006	
Low voltage			
Directive 2006/95/EC		EN 60950	
Explosion protection			
Directive 94/9/EC		EN 60079-0:2009, EN 60079-11:2007 EN 60079-28:2007 EN 61241-11:2006	
Ambient conditions			
Operating temperature		-10 ... 50 °C (14 ... 122 °F)	
Storage temperature		-20 ... 60 °C (-4 ... 140 °F)	
Relative humidity		90 % , noncondensing	
Mechanical specifications			
Degree of protection		IP44	
Mass		340 g	
Dimensions		190 mm x 135 mm x 70 mm	
Cable length		5 m stretched	
Data for application in connection with hazardous areas			
EU-type examination certificate		BVS 09 ATEX E 075	
Marking		Ⓜ II 2G Ex ib [op is] IIB T4 Gb Ⓜ II 2D Ex ib [op is] IIIB T135°C Db	
Voltage	U _i	9 V	
Current	I _i	400 mA	
Power	P _i	1.5 W	
Internal capacitance	C _i	negligible	
Internal inductance	L _i	10 µH	

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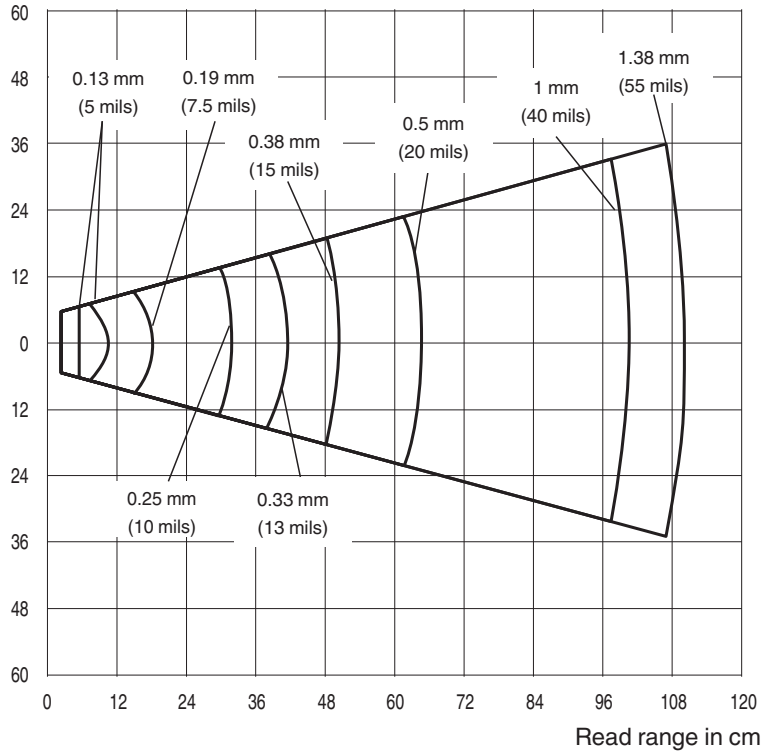
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PEPPERL+FUCHS


Characteristic Curve

Reading characteristics

Read field width in cm



Accessories

	<p>ENT-DC-30</p>	
<p>BOX-A9-PSCAN-F2</p>		

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Ordering information

Model number	Description
PSCAN-D-1D-F2-05-10-N	cabled barcode reader 1D barcodes ATEX II 2G, Ex ib [op is] IIB T4 Gb ATEX II 2D, Ex ib [op is] IIIB T135°C Db Interface 5 mA Version 1.0 No options
PSCAN-D-1D-F2-20-10-N	cabled barcode reader 1D barcodes ATEX II 2G, Ex ib [op is] IIB T4 Gb ATEX II 2D, Ex ib [op is] IIIB T135°C Db Interface 20 mA Version 1.0 No Options