



Model number

PSCAN-D-1*-E2-*

Features

- Temperature range: -10 ... +50 °C
- Standard reading distance: approx. 60 - 1100 mm
- All standard barcode families supported
- Aiming system with a red spot for safety reading
- Category II 2G (Zone 1)
- Category II 3D (Zone 22)
- 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
- Protection degree IP65

Function

The devices of the PSCAN family are suitable for use in hazardous areas that correspond to Zone 1 and Zone 22 in operating data acquisition or logistics application.

The barcode reader can be connected to a host up to 150 meters away or operated in combination with the Operator Panels TERMEX or Operator Stations from the VisuNet range by Pepperl+Fuchs.

Technical Data

General specifications

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 °
Reading distance	60 ... 1100 mm
Resolution	0.076 mm (3 mils)
Light type	laser diode 630 ... 680 nm

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: 2006, EN 60079-11: 2007, EN 60079-28: 2007, EN 61241-0: 2006, EN 61241-1: 2004

Ambient conditions

Operating temperature	-10 ... 50 °C (263 ... 323 K)
Storage temperature	-20 ... 60 °C (253 ... 333 K)
Relative humidity	90 % , non-condensing

Mechanical specifications

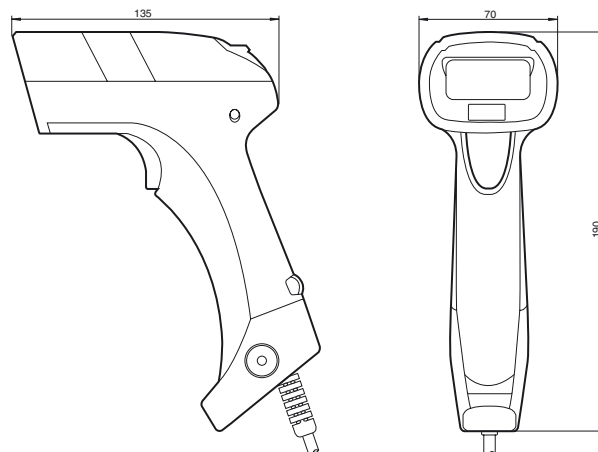
Protection degree	IP65
Mass	340 g
Dimensions	190 mm x 135 mm x 70 mm
Cable length	5 m stretched

Data for application in conjunction with hazardous areas

EC-Type Examination Certificate	BVS 09 ATEX E 075
Group, category, type of protection	Ex II 2G Ex ib [op is] IIB T4 Ex II 3D Ex tD A22 IP54 T85°C X

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

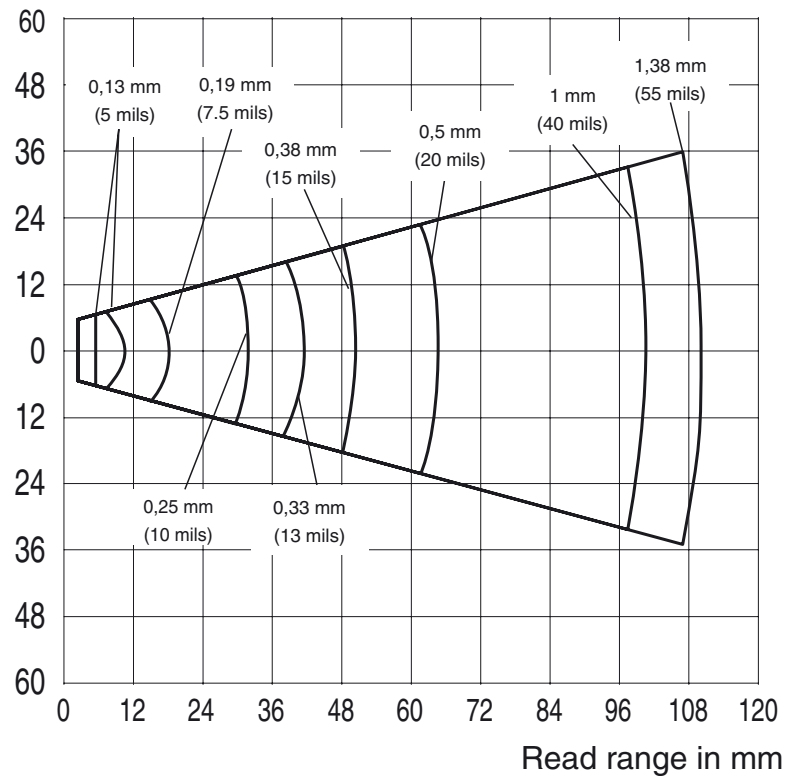
Dimensions



Curves/diagrams

Reading characteristics

Read field width in mm



Ordering information

Model number	Description
PSCAN-D-1D-E2-05-10-N	cabled barcode reader 1D barcodes ATEX II 2G, Ex ib IIB T4 ATEX II 3D, Ex tD A22 IP54 T85° C X Interface 5 mA Version 1.0 No options
PSCAN-D-1D-E2-20-10-N	cabled barcode reader 1D barcodes ATEX II 2G, Ex ib IIB T4 ATEX II 3D, Ex tD A22 IP54 T85° C X Interface 20 mA Version 1.0 No Options