



### Model number

### Features

- Approved for Zone 1 and 21 (ATEX)
- Temperature range: -10 ... +50 °C
- Standard reading distance: approx. 60 - 1100 mm
- All 1D 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

### 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 <sup>-1</sup>
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

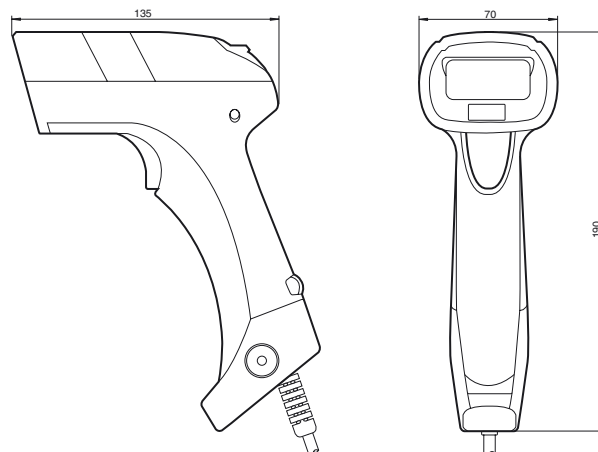
Protection degree	IP44
Mass	340 g
Dimensions	190 mm x 135 mm x 70 mm
Cable length	5 m stretched

#### Data for application in connection with Ex-areas

EC-Type Examination Certificate	BVS 09 ATEX E 075
Group, category, type of protection	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

### Dimensions



**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 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.

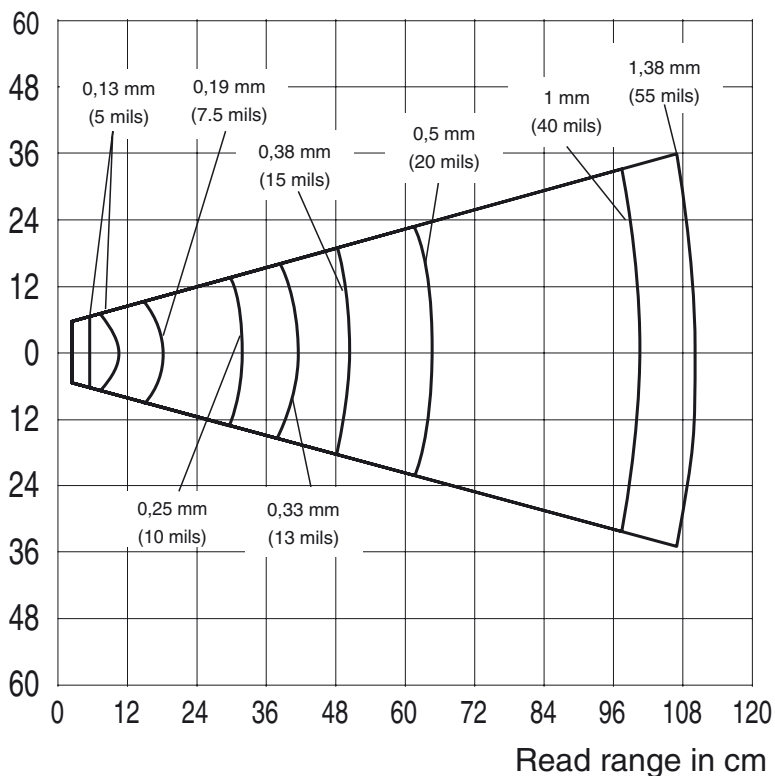
**Accessories**

ENT-DC-30

BOX-A9-PSCAN-F2

**Curves/diagrams****Reading characteristics**

Read field width in cm

**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