Handheld reader
OHV10-F228-R2

- All common 1-D or 2-D codes can be read
- Reads from reflective surfaces
- Audible, tactile, and visual user feedback
- Degree of protection IP54

Handheld reader for all common 1-D and 2-D codes
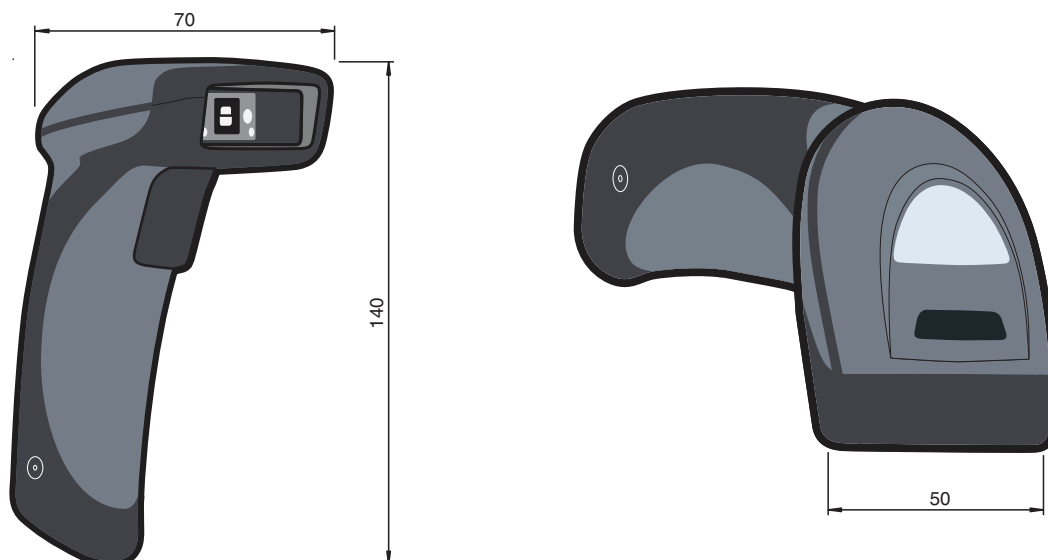
$\mathsf{C}\,\epsilon$ UK CA

Function

The handheld is a compact handheld reader for all common 1-D and 2-D codes. Special technology to prevent glare allows the device to accurately read codes on highly reflective surfaces. With a resolution of 1.2 million pixels, it can read both small and large codes from a wide range of distances. A different-colored target projection makes it easier to see the relevant code. Feedback comes in the form of a visual or audible signal or a vibration.
Data is transferred via USB or RS-232, depending on which connection cable is selected. With its robust housing and IP54 protection, the handheld reader is ideally suited to heavy-duty industrial use.

Dimensions

Technical Data

General specifications

Light type	Integrated LED lightning (red)

PEPPERL+FUCHS

1

Technical Data

Readable codes	**1-D Codes:** Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, Interleaved 2 of 5, GS1 DataBar, Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN, BC412 **Gestapelte 1-D Codes:** Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417 **2-D Codes:** Aztec Code, Data Matrix, Data Matrix Rectangular, Grid Matrix, Han Xin, Maxicode, Micro QR Code, QR Code, QR Model 1 **Post Codes:** Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Post-Net, Planet, Postnet, UK Royal Mail, UPU ID-tags
Read distance	40 ... 310 mm depending on the code type
Reading field	max. 190 mm x 290 mm
Modul size	min. 0.2 mm
Ambient light limit	96890 Lux
Target velocity	Stop
Nominal ratings	
Camera	
Type	CMOS
Number of pixels	1280 x 960
Image recording	real-time , manually triggered
Indicators/operating means	
Function indicator	LED green: Data carrier read
Electrical specifications	
Supply	via cable
Interface	
Physical	USB 2.0 , RS-232
Compliance with standards and directives	
Standard conformity	
Noise immunity	EN 55024:2010
Emitted interference	EN 55032:2012+AC:2013
Ambient conditions	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Storage temperature	-30 ... 65 °C (-22 ... 149 °F)
Relative humidity	5 ... 95 % non-condensing
Shock and impact resistance	Withstands multible drops from 1.8 m / 6 ft onto a concrete surface
Mechanical specifications	
Degree of protection	IP54
Connection	System connector for connecting cable
Material	
Housing	plastic
Mass	110 g
Dimensions	70 mm x 50 mm x 140 mm (l x w x h)
Height	140 mm
Width	50 mm
Length	70 mm
General information	
Scope of delivery	Handheld reader

Connection

Pin	Signal
1	+VIN
2	USB_DM
3	USB_DP
4	RS 232 TX
5	RS 232 RTS
6	RS 232 RX
7	RS 232 CTS
8	External Trigger
9	not connected
10	Ground

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

Pepperl+Fuchs Group | USA: +1 330 486 0001 | Germany: +49 621 776 1111 | Singapore: +65 6779 9091
www.pepperl-fuchs.com | fa-info@us.pepperl-fuchs.com | fa-info@de.pepperl-fuchs.com | fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS   2

Connection Assignment

```
   1   5   10
  ┌───────────┐
  │ ┌───────┐ │
  │ │|||||||| │ │
  │ └───────┘ │
  └───────────┘
```
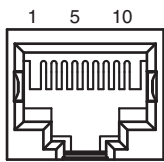
Assembly
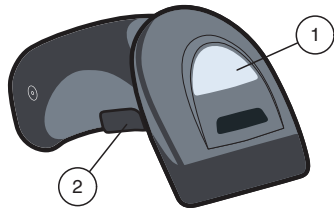
2	Functional display	green
3	Trigger button	

PEPPERL+FUCHS