



Model Number

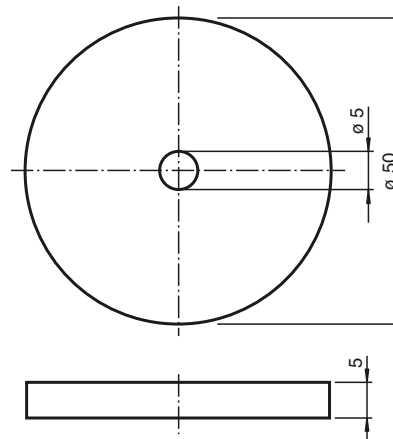
IPC03-50P

Data carrier

Features

- Battery-free data carrier
- 32 bit fixcode
- 928 bits memory available
- Readable and writable from both sides
- Mounting holes for simple installation
- Degree of protection IP68

Dimensions



Technical data

General specifications

Operating frequency	125 kHz
Transfer rate	2 kBit/s
Read distance	
Write distance	

Memory

Chip Type	EM4450 Titan (EM Microelectronic)
Type/Size	EEPROM 928 Bit ROM 32 Bit
Read cycles	unlimited
Write cycles	> 100000
Data retention period	10 years at 55 °C (131 °F)

Standard conformity

Degree of protection	EN 60529
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Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 90 °C (-40 ... 194 °F)

Mechanical specifications

Degree of protection	IP68
Material	
Housing	PC (Polycarbonate)
Encapsulation compound	Epoxy

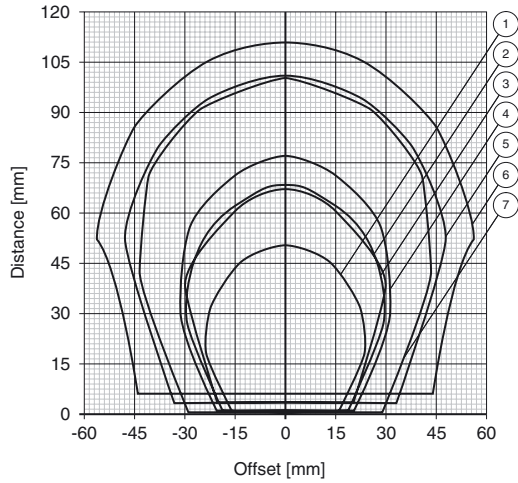
Notes

The transponder can be read and written from either side.

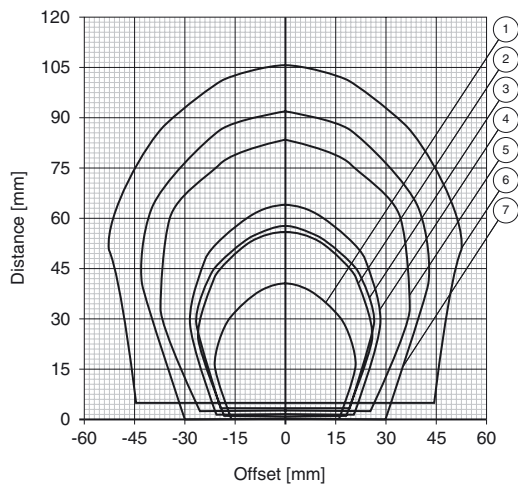
Read/write distances

- ① IPH-18GM-V1 ③ IPH-F61 ⑤ IPH-FP-V1 ⑦ IPT1-FP-V1
- ② IPH-30GM-V1 ④ IPH-L2-V1 ⑥ IPH-F15-V1

Reading range in air IPC03-50P

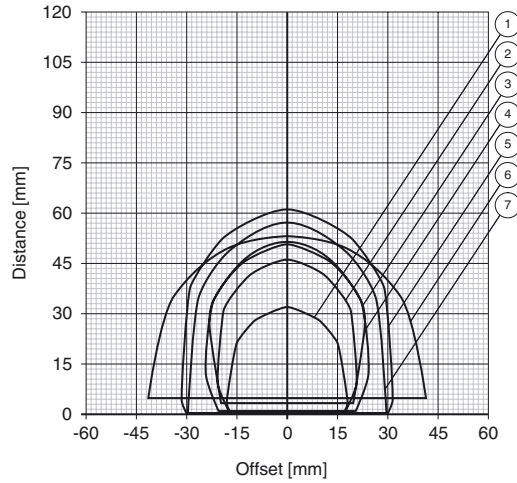


Writing range in air IPC03-50P

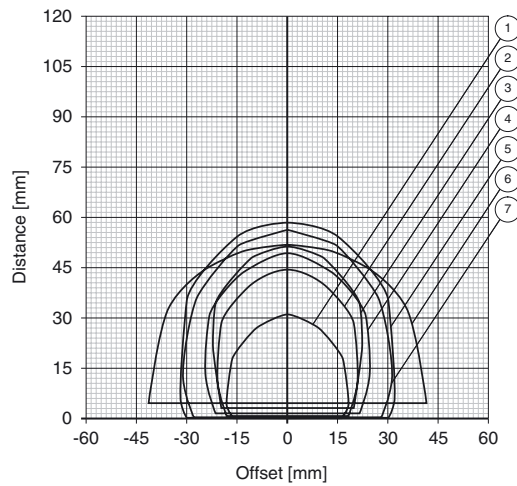


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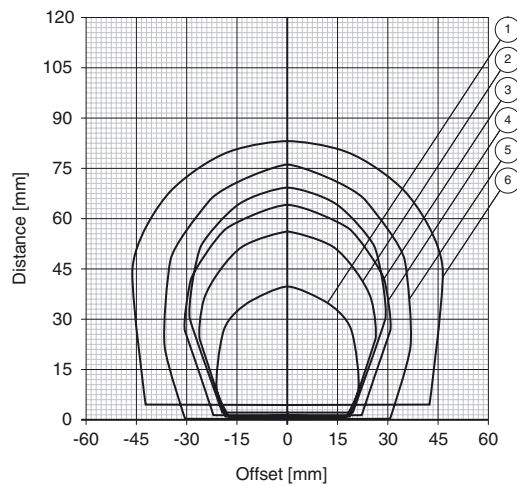
Reading range on aluminium IPC03-50P



Writing range on aluminium IPC03-50P



Reading range on steel IPC03-50P



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

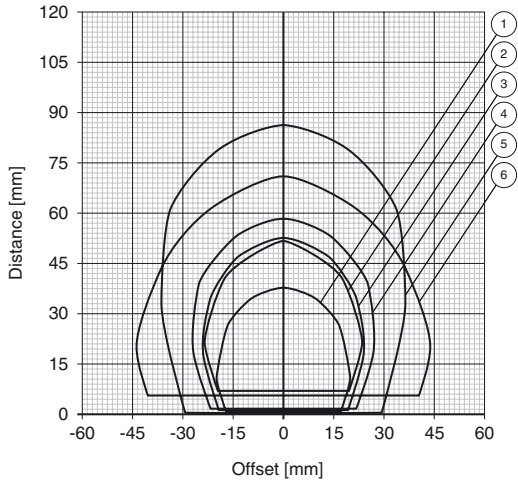
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Writing range on steel IPC03-50P



Release date: 2018-09-21 08:42 Date of issue: 2018-09-21 181531_eng.xml