



Model Number

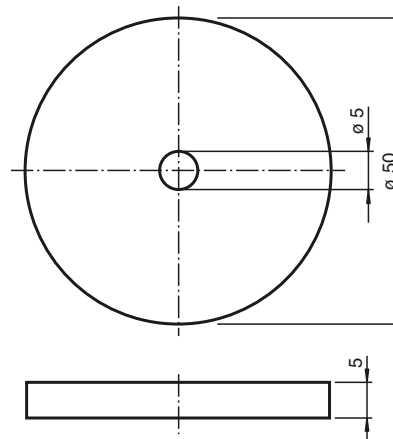
IPC03-50P

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)
EEPROM	928 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
Installation	
In air	yes
Construction type	Cylindrical

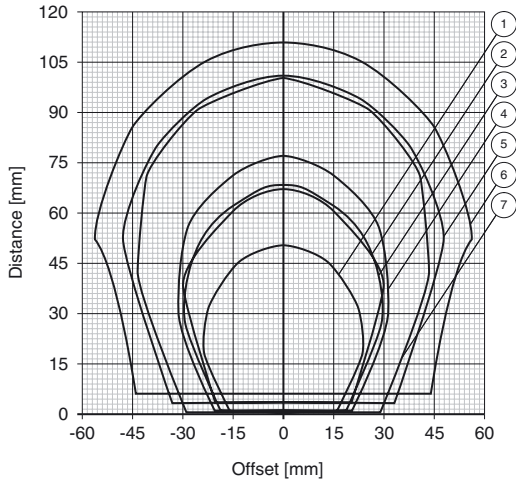
Notes

The transponder can be read and written from either side.

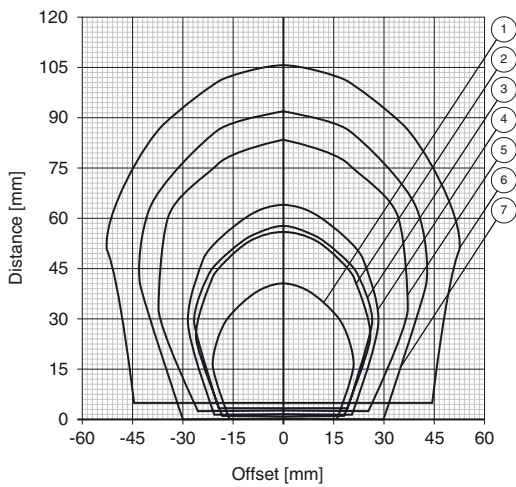
Read/write distances

- 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



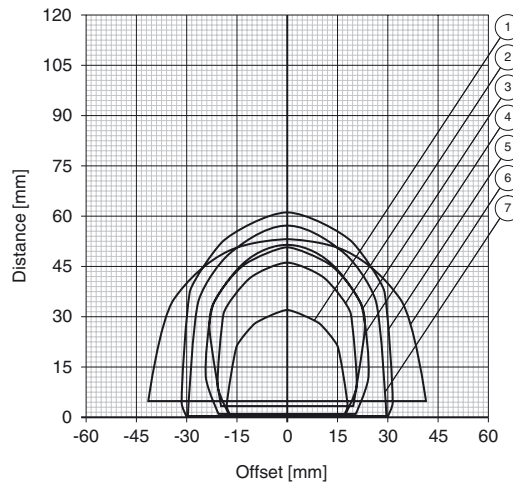
Writing range in air IPC03-50P



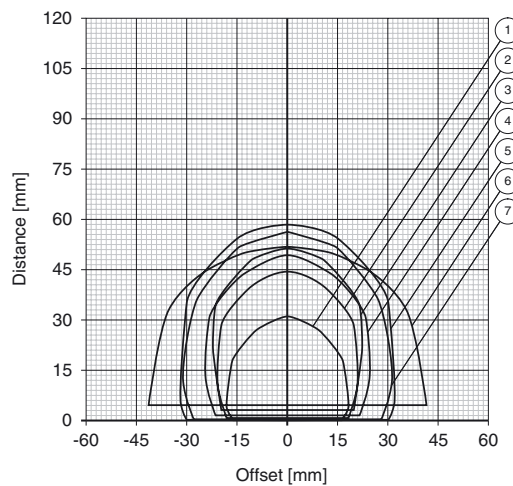
Release date: 2019-01-24 10:21 Date of issue: 2019-01-25 181531_eng.xml



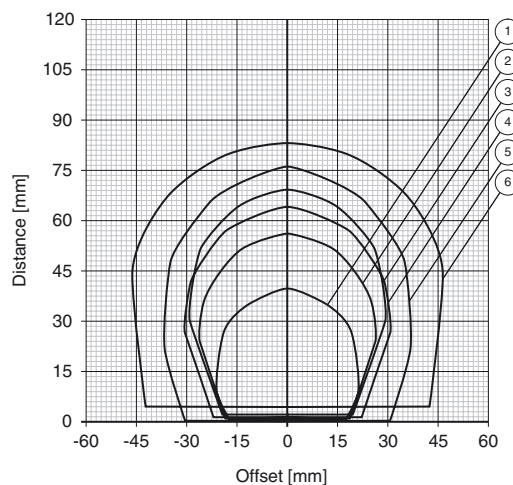
Reading range on aluminium IPC03-50P



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".

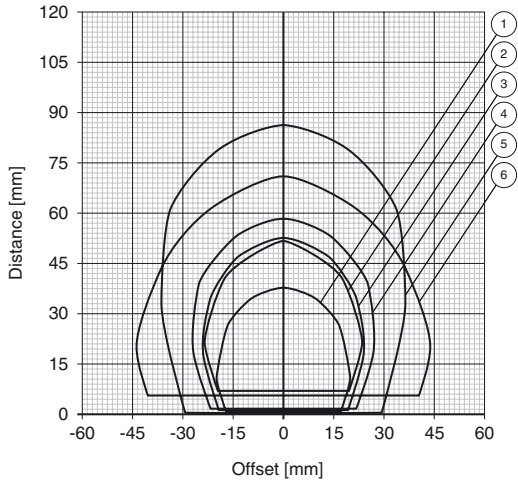
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Writing range on steel IPC03-50P



Release date: 2019-01-24 10:21 Date of issue: 2019-01-25 181531_eng.xml