



### Model Number

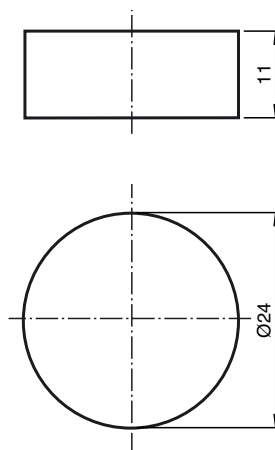
**IPC03-24**

Data carrier

### Features

- Battery-free data carrier
- 32 bit fixcode
- 928 bits computer memory available
- Embeddable mountable in metal
- Protection degree IP67

## Dimensions



## Technical data

### General specifications

Operating frequency	125 kHz
Transfer rate	2 kBit/s

### Functional safety related parameters

MTTF <sub>d</sub>	3400 a
Mission Time (T <sub>M</sub> )	20 a
Diagnostic Coverage (DC)	0 %

### 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)

### Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

### Mechanical specifications

Protection degree	IP67
Material	
Housing	PBT
Encapsulation compound	CY 221/HY 2966

### Compliance with standards and directives

Standard conformity	
Protection degree	EN 60529

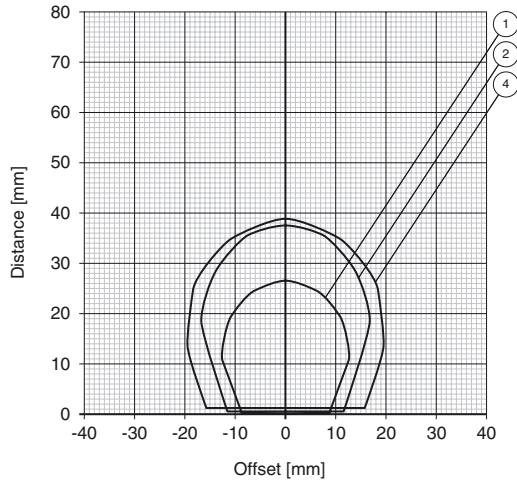
## Notes

The surface containing the text must face the read/write head.

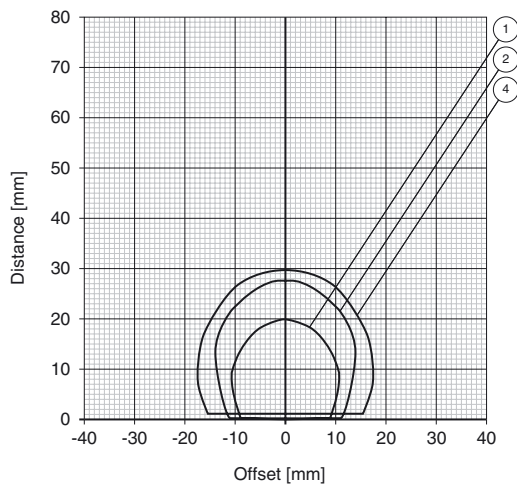
**Read/write distances**

- 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 IPC03-24

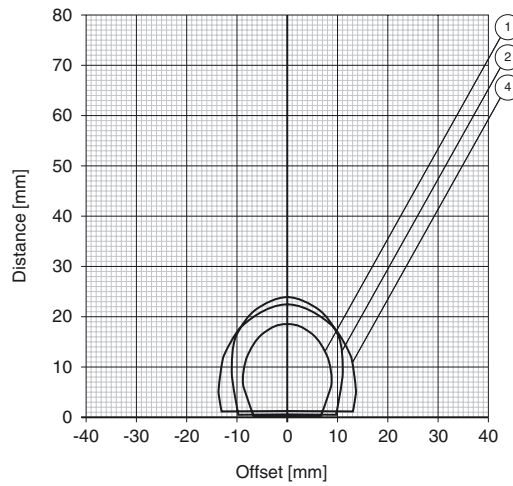


Writing range in air IPC03-24

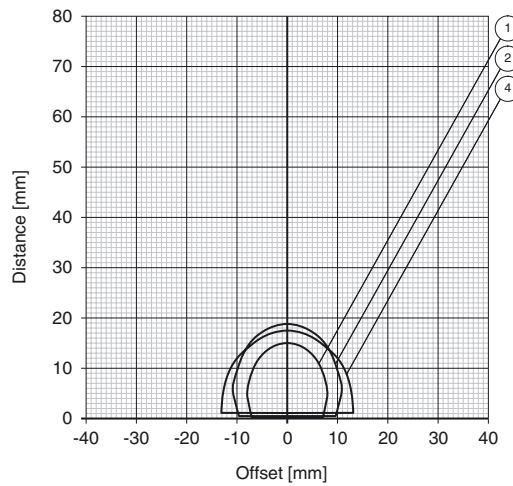


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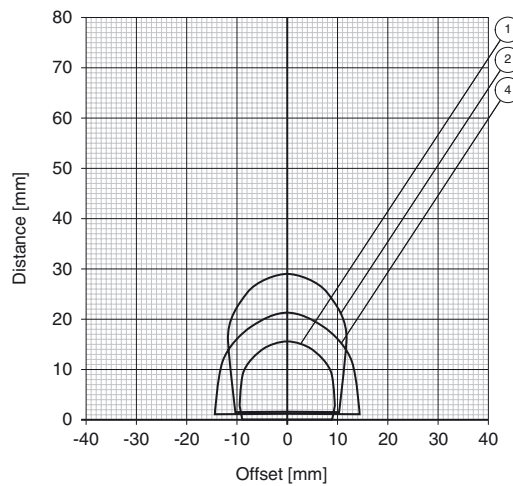
Reading range mounted flush in aluminium IPC03-24



Writing range mounted flush in aluminium IPC03-24



Reading range mounted flush in steel IPC03-24



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Subject to modifications without notice

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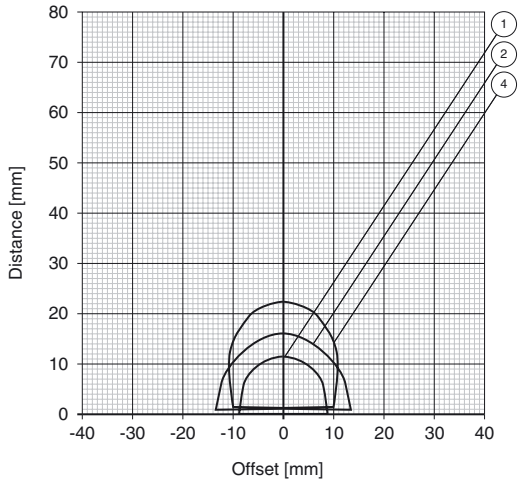
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Writing range mounted flush in steel IPC03-24



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