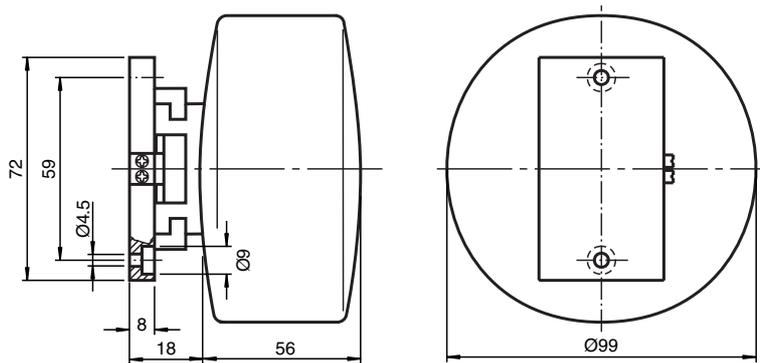




Dimensions



Model number

MTM-99-T4

High temperature data carrier for 200 °C temperature cycles

Features

- For temperature cycles up to 200 °C for 30 min
- Memory 574 bits plus 8-digit decimal number as fix code
- Battery life expectancy 6-10 years
- Battery life independent of the read/write operations
- Protection degree IP67

Function

The high-temperature data carrier is especially designed for paint shops in the automobile industry and resists temperature cycles of up to 200 °C.

The data carrier can be read from a distance of over 3 m and safely inscribed from a distance of 0.2 m dependent on different settings.

A max. of 606 bits (82 7-bit-ASCII characters and a 32-bit test check sum) can be stored in the data carrier. Thus 574 bit are available for application specific data. In addition, each data carrier is delivered ex works with an invariable 8-digit decimal number, which detects the data carrier unambiguously.

By means of microwaves, formatting and the setting of various possible operating modes takes place. The same conditions are applicable as for the writing of data. The distance to the read/write device can be up to 0.2 m.

The life of the internal lithium cells depends on the operating mode of the data carrier. When the voltage drops towards the end of the capacity, one bit is set in the status register, and transmitted to the read/write device during each read procedure.

The data carrier is vibration resistant, corrosion resistant, UV-stable, waterproof and resistant to chemicals.

Technical data

General specifications

Operating frequency	2,435 ... 2,465 GHz , channel separation 300 kHz
Distance	distance tables, see introduction

Memory

Capacitance	606 Bit R/W (584 bits available for user data) 8-digit decimal number as fix code
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Battery life	typical: 6 ... 10 years, independent of the number of read and write processes, but dependent on the selected modes
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Ambient conditions

Ambient temperature	0 ... 85 °C (273 ... 358 K) 200 °C (473 K) for 30 min
Storage temperature	0 ... 85 °C (273 ... 358 K)
Shock and impact resistance	shock: 500 G, 1 ms on all 3 spatial axes 100x according to IEC 68-2-27 impact: 40 G, 6 ms on all 3 spatial axes 1000x according to IEC 68-2-29 Eb

Mechanical specifications

Protection degree	IP67 according to EN 60529
Material	
Housing	PPS (Polyphenylenesulfide)
Mass	approx. 400 g

Notes

Temperature cycle

