



Model Number

MTM-C2

Data carrier

Features

- Memory 574 bit plus 8-digit decimal number as fix code
- Battery life expectancy 6-10 years
- Battery life independent of the read/write operations
- Rugged housing
- Degree of protection IP67

Function

The data carrier can be read from a distance of 4 m and safely inscribed from a distance of 0.5 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 and unique 8-digit decimal number, which detects the data carrier unambiguously.

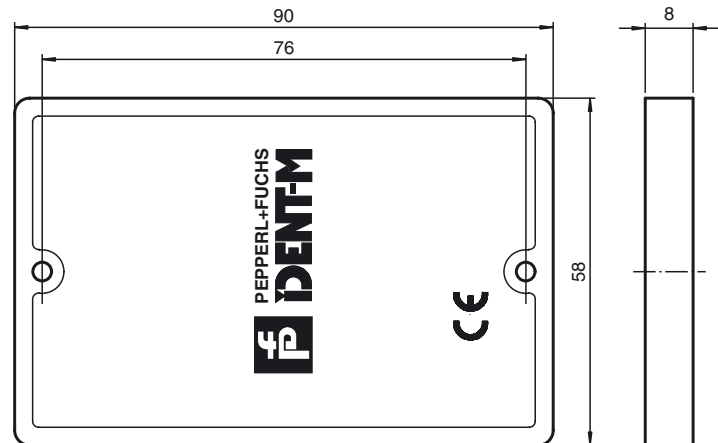
By means of microwaves, formatting and the setting of various possible operating modes takes place. The same conditions are applicable as for the writing of data. The distance to the read/write device can be up to 0.5 m.

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 C2 housing type is especially robust allowing for application in rough operating conditions.

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

Dimensions



Technical data

General specifications

Operating frequency	2.435 ... 2.465 GHz , channel separation 300 kHz
---------------------	--

Memory

Memory capacity	606 Bit R/W (584 bits available for user data) 8-digit decimal number as fixcode
-----------------	---

Battery life	typically 6 years
--------------	-------------------

Ambient conditions

Ambient temperature	-40 ... 85 °C (-40 ... 185 °F)
---------------------	--------------------------------

Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
---------------------	--------------------------------

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

Degree of protection	IP67 according to EN 60529
----------------------	----------------------------

Material

Housing	Polymer
---------	---------

Mass	60 g
------	------

Compliance with standards and directives

Directive conformity	
R&TTE Directive 1995/5/EC	EN 60950, IEC 60215, ETS 300683, ETS 300440