

■ **FRAM memory 2 kbyte**

Functional principle

The HF read/write heads operating at a frequency of 13.56 MHz, form a transmission zone the size of which (0...500 mm) varies, depending on the combination of read/write head and data carrier.

The read/write distances mentioned here only represent standard values measured under laboratory conditions and free from any influences caused by materials.

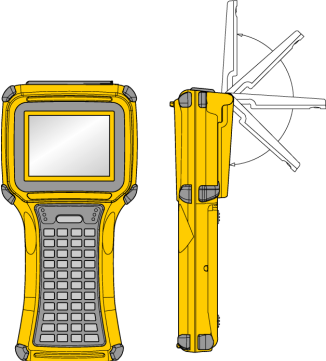

The read/write distances of data carriers suitable for mounting in/on metal were determined in/on metal.

Attainable distances may vary by up to 30 % due to component tolerances, mounting conditions, ambient conditions and material qualities (especially when mounted in metal)

Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!

Type code	TW-R50-K2
Ident no.	6900507
Data transfer	inductive coupling
Operating frequency	13.56 MHz
Memory type	FRAM
Chip	Fujitsu MB89R118
Memory	2048 byte
Memory	read/write
Freely usable memory	2000 byte
Number of read operations	unlimited
Number of write operations	10 ¹⁰
Typical read time	0.5 ms/byte
Typical write time	0.5 ms/byte
Radio communication and protocol standards	ISO 15693
Minimum distance to metal	10 mm
Ambient temperature	-25...+85 °C
Diameter	50 mm +/- 0.5 mm mm
Internal diameter	5.2 mm +/- 0.3 mm mm
Housing height	3.3 mm +/- 0.5 mm mm
Housing material	plastic, PA
Material active area	Plastic, Black, PA
Protection class	IP69K
Packaged quantity	1

Compatible handhelds

	<p>PD-IDENT 1542331 Handheld for mobile reading and writing on data carriers.</p>	
	<p>PDA-IDENT 1542344 The handheld can be used with two different antennae. Internal antenna, PDA-IDENT-IA, 1542345 External antenna, PDA-IDENT-EA, 1542346</p>	