

PRODUCT DATASHEET

iID[®] Transponder

TAG-PLATE 2570

HF-RFID TAG on metal

- passive RFID communication based on ISO 15693, ISO 14443 and ISO 18000-3
- stainless steel plate with RFID dot (CLICK-TAG)
- non-metallic and metallic mounting possible
- EEPROM memory
- especially designed for asset management of metal and non-metal objects under very robust environmental conditions

This transponder devices is an integral part of *microsensys* iID[®] system solution.



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This data sheet is subject to change
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TAG-PLATE2570 001

RFID Technology:	closed coupling RFID system iID [®] 2000/3000, based on ISO 15693, ISO 14443 and ISO 18000-3
Chip Types:	I-CODE SLI, iID-M, iID-G
Frequency range:	13.56 MHz
Communication Rate:	ISO 15693 26 kbps ISO 14443 106 kbps
Communication Distance:	0 ... 3 cm on non-metal 0 ... 3 cm on metal dependent on reader system and environmental conditions
Memory:	EEPROM endurance 100000 cycles, data retention 10 ...50 years (T<55°C) features are depending on used RFID chip
Memory Capacity:	see product type
Special Functionality:	see chip manufacture data sheet
Operating Temperature:	-40°C ... +85°C
Storage Temperature:	-45°C ... +150°C up to 200°C on inquiry
Dimensions:	approx. 25 x 70mm ² thickness stainless steel 0.5mm, RFID dot thickness max. 3.0mm
Packaging Material:	high quality stainless steel plate, RFID dot packaged in PEEK / Epoxy
Mounting Instructions:	with tie on metal or non metal
Marking:	laser printing optional: customized graphic printing, bar code or matrix code, running number, electronic initializing
Appropriate RFID Reader:	POCKETmini pocket reader with USB and Bluetooth CASIO IT-800 handheld industry computer with integrated RFID on back side PEN reader with USB, RS232TTL or Bluetooth others possible
HOST Command Set:	see actual API documentation of <i>microsensys</i> iID [®] driver engine

Type :	12.42.451.00	12.32.451.00	12.54.451.00	
Chip Type:	I-CODE	iID-M	iID-G	
Memory:	1,000	2,000	16,000	bit
Data Retention:	50	10	10	years