

PRODUCT DATASHEET

TELID® RFID Sensors

TELID® 403

UHF I/O transponder

- passive RFID sensor device with digital I/Os
- transponder with connector or integrated reed contact
- non flexible hard TAG, package Q72, on metal possible
- contactless data communication ISO 18000-6C

RFID Sensor TELID® devices are an integral part of *microsensys* iID® system solution. These devices are very useful for wireless sensors applications in industrial solutions, for quality check in food and pharma industry, for temperature check in maintenance processes and transport and logistics. TELIDs are operating optimal with *microsensys* standard RFID reader.



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This data sheet is subject to change
contact *microsensys* for latest information

TELID403-01

RFID Technology:	RFID system TELID®400 based on ISO 18000-6C	
Chip Type:	iID-4000	long distance UHF sensor solution
Carrier Frequency:	860 - 960 MHz	
Communication Rate:	up link 128 kbps, down link 640 kbps	
Communication Distance:	0 ... 50 cm	depending on reader antenna and environmental conditions
Object Data Memory:	EEPROM	read write type endurance >100.000 cycles, data retention > 10 years
Static Memory:		parameters, calibration data, manufacturer OTP
Free Memory:		4 kbit user memory
Sensor:	digital I/O	
Digital input:	2pin or 8pinconnector	2.54mm
Reed Contact:	integrated reed contact	type tbd
Operating Mode:	PASSIVE SENSOR	
Measure Modes:	ON LINE MEASUREMENT	
Basic Functions:	read sensor and read / write object data memory	
Parameters:	not necessary	
Battery:	no battery	
Working Temperature:	-40°C ... +85°C	
Storage Temperature:	-55°C ... +125°C	recommended 25°C
Dimensions:	70 x 18 mm², thickness max. 4 mm	
Packaging:		epoxy glass fiber enforced, black epoxy on top (half lens)
Marking:		laser printed product type on top, optional unique ID-No
		optional two color printing
Mounting Instruction:		glue or plastic screws
		using on metal or on plastics possible
Appropriate RFID Reader:	INDUSTRY reader CASIO IT-800	with RS232TTL or USB with UHF reader module
Software:	TELID application software for Windows PC and mobile devices on inquiry	

Type :	16.403.123.01	16.403.186.00*	16.403.133.01	*) in development
Sensor:	2 pin connector	8 pin connector	integrated reed	
Communication Distance:	20	10	20	cm