M18 RFID HEAD

INDUSTRY HF RFID read/write unit

The integrated industry reader is designed for high speed transponder applications and can used under harsh industrial environments. This device is available with different HOST interfaces as RS232, P-CAN or RS232TTL. A comfortable set of software functions supported over *microsensys* iID driver engine and the polling mode makes this reader very flexible for customer solutions.

microsensys offers an attractive component platform for RFID solutions – from transponder over smart readers to practical software tools

microSensys
RFID in motion

RFIDSystem:	HF, iID®3000	
Standards:		based on ISO 15693, ISO 14443, ISO 18000-3
Chip Solutions:		I-CODE®, Tag-it®, my-D®, iID®M, EM chip types, iID®G, iID®L, TELID®200/300, Mifare®ultralight, on inquiry: mic3®, iID®K, NFC, my-D®-S
Basics:	closed coupling read / write unit	
		iID® reader operation system
RFID Air Interface:	13.56 MHz RFID,	standard type doesn't support anticollision
Operating Distance:	0 ... 30 mm	depending on transponder type and metal environment
Reader Antenna:	P13	
Field Direction:		closed coupling P13 antenna in front direction
Communication Rate:		ISO 15693: 26.4 kbps
		ISO14443: 106 kbps
HOST Interface:	P-CAN, RS232 or RS232TTL, I²C	
Connector:		M12 A-coded plug (type 52.38.250 with direct cable)
Power Supply:		+8 … 24V or 5V, low-noise
Power Consumption:		typ. 30mA (idle mode)
		typ. 200mA (active mode)
Software Interface :		iID® 3000PRO interface protocol
Operation Mode:		DOC or SPC
Supported Commands:		see actual API documentation of microsensys iID® driver engine
Options:	PC-Adapter for RS232TTL device	
Device Size:	D18 mm (M18x1), L 78.5 mm	
Casing Material:	metal, plastic on front	
Mounting:	mountable with 2 nuts	please note metal environments
Operation Temperature:	-5°C ... +70°C	
Storage Temperature:		-25°C ... +85°C
Emissions:	CE, EN 300330	
Protection Class:	IP 65	for industrial applications

Type:	52.37.700	52.36.700*	52.31.700	52.30.700*	52.38.250*
Downloaded OP System:	iID3000	iID3000	iID3000	customized	iID2000
HOST Interface:	P-CAN	RS232TTL	RS232	2 x OUT	I²C, direct cable
Power Supply:	+8 … 24V	5V+/-5%	+8 … 24V	+8 … 24V	5V+/-5%

*) in development or delivery only for special projects