

PRODUCT DATASHEET

iID® Read Write Interfaces

M30 RFID HEAD

INDUSTRY HF RFID read/write unit

The integrated industry reader is designed for high speed transponder applications and can be used under harsh industrial environments. This device is available with different HOST interfaces as USB or RS232TTL or RS232 standard*. 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



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

M30head-05

RFIDSystem:	HF	iID®2000/3000	
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/Classic, iID®K on inquiry: mic3®, NFC, my-D®-S
Basics:		closed coupling read / write unit	iID® reader operation system
RFID Air Interface:		13.56 MHz RFID	
Operating Distance:		0 ... 50 mm	depending on transponder type and metal environment
Reader Antenna:			printed antenna, P26
Field Direction:			closed coupling P26 antenna in front direction
Communication Rate:			ISO 15693: 26.4 kbps ISO14443: 106 kbps
HOST Interface:		USB or RS232TTL	
Connector:			USB or Sub-D9 (cable 1.5 m)
Power Supply:			+5V +/-5%, stabilized, low noise over USB or Sub-D9
Power Consumption:			typ. 30mA (idle mode) typ. 230mA (active mode)
Software Interface :			iID® 3000PRO interface protocol
Supported Commands:			see actual API documentation of microsensys iID® driver engine
Options:		PC-Adapter for RS232TTL device	
Device Size:		D30 mm (M30x1.5), L 68 mm	
Casing Material:		plastic	
Mounting:		mountable with 2 nuts	please note metal environments
Operation Temperature:		-15°C ... +70°C	others on request
Storage Temperature:			-25°C ... +85°C
Emissions:		examine for EN 300330	
Protection Class:		IP 65	without connector

Type:	53.99.700.00	53.96.700.00
Air Interface:	ISO 15693/14443	ISO 15693/14443
HOST Interface:	USB	RS232TTL
Power Supply:	5V+/-15%	5V+/-5%