

M30 HEAD

HI 78.9x.000
HI 78.9x.004

**13.56 MHz RFID unit
for industry applications
with integrated antenna**

The M30 HEAD can be used under harsh industrial environments.

A comfortable set of software functions makes this device very practicable for process control and for a wide range of available 13.56 MHz transponders. *microsensys* offers this device with different HOST interfaces as RS232, USB und RS485.

microsensys can support you in your RFID solutions from transponder up to customised software tools.



Transponder Systems and Chips:

ISO 14443-B: iID[®]-3000, TELID[®] customized
ISO 15693: Tag-it[®], I-CODE[®] SLI, EM4135, my-D[®]
on inquiry: iID[®]-2000, TELID[®] 2/3, I-CODE[®] 1, Ario[®] (RO), EM4006

Dimensions: D 30 (M30x1.5) x L 68 mm

Casing Material: plastic
optional with plastic nut

Operation Mode:

closed coupling read/write and read only
standard command set *microsensys*

Air Interfaces:

high speed and fast mode, 13.56 MHz RFID closed coupling
no anticollision, no standard mode (1.65 kbps)

Transponders and Read/Write Distances: as examples only

Q13-TAG 64 RO	0 ... 30 mm	D14-TAG 16k RW	0 ... 20 mm	A26
TELID2-io	0 ... 15 mm	D7-TAG 2k RW	0 ... 10 mm	
LABEL I-CODE 1836	0 ... 20 mm	LABEL my-D 4545	0 ... 50 mm	

	Type 96.000	Type 96.004	Type 99.004	Type 97.000
Supply Voltage:	5 V ± 5%	5 V ± 5%	5 V ± 5%	5 V ± 5% Vdc, low noise
HOST Interface:	RS232TTL (Sub-D9, cable 0.8 m)		USB1.1(cable1.8 m)	RS485(cable custom.)
HOST Driver:	driver for Win 98, 2000,XP	driver for Win 98, 2000,ME,XP,NT, Win CE.net	driver for Win 98, 2000,ME	without driver, port documentation
AIR Interface:	iID2000, (ISO15693) Ario (RO), EM4006, TELID2T	iID3000, ISO 14443-2 B, TELID2-mem/io	iID3000, ISO 14443-2 B, TELID2-mem/io	iID2000, (ISO15693) Ario (RO)
Communication Rate:	106 (26.4)	106	106	106 (26.4) kbps

Supply Current: active: 100 mA idle: 10 mA sleep: <10 µA
self controlled internal power down (after 80ms from active to idle)

Operation Temperature: 0°C ... +45°C (other on request)
Storage Temperature: -25°C ... +70°C
Protection Class: IP 65 (without connector)

Options: PC-Adapter for RS232TTL device

Supported Commands: see actual API documentation of *microsensys* iID[®] driver engine