# iID® PENmini 7.0

**HF-RFID read/write module in pen style**
- **very useful for very small transponders**
- **including mic3**
- **suitable for transponder sizes up to chip cards**
- **based on ISO 15693**

With the PEN mini type continues *microsensys* the successful pen style product family of smart, flexible and low power 13.56MHz RFID read write units.

The device is very useable for mobile and stationary data acquisition in administration, industry and logistics.
*microsensys* offers an attractive component platform for closed coupling RFID solutions.

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This data sheet is subject to change.
Contact us for latest information          PEN mini7.0 001

**RFID Technology:** closed coupling RFID system   iID®3000
**Standards:** based on ISO15693 and ISO14443
**Chip Solutions:** mic3®, I-CODE®, Tag-it®, my-D®, iID®M, iID®G, NFC, Mifare®, TELID®
further chip solutions are supported partly: inside

**Basics:** short range read/write communication
command sets of iID® driver engine
downloadable reader operation system for upgrades

**RFID Air Interfaces:** 13.56 MHz RFID, fast mode
**Operating Distance:** 0 ... 40 mm          depending on transponder antenna and chip type
**Reader Antenna:** integrated antenna K3
**Field Direction:** axial

**HOST Interface:** USB 2.0
**Data Rate:** depending on ISO Standard and Chip Solutions
**Connector:** standard USB or SubD-9male
**Power Supply:** 5V, stab., low  noise
**Power Consumption:** IDLE mode: typ. 20mA
SLEEP mode: not implemented
ACTIVE mode: typ. 180mA

**Software Interface :** iID® driver engine (Windows)
**Supported Commands:** see actual API documentation of microsensys

**Device Size:** L130 mm, D12 mm
**Casing Material:** aluminium tube black, plastic pin with integrated antenna
**Cable Length:** SubD-9: 1.0 m,  USB: 1.5 m

**Operation Temperature:** 0°C ... +45°C
**Atmospheric Humidity:** 30% ... 75%, not condensed
**Storage Temperature:** -25°C ... +75°C

**Emissions:** CE (examine for EN 300330)
FCC (planed for 3th quarter 2013)
**Protection Class:** IP 64 (not for connector)

| Type : | 74.79.720.00 | 74.76.720.00* |
|---|---|---|
| **Downloaded OP System:** | iID®-3000 | iID®-3000 |
| **HOST Interface:** | USB 2.0 | RS232TTL |
| **Software Interface :** | iID® driver engine | iID® driver engine |

*) only  on inquiry