

# PRODUCT DATASHEET

iID<sup>®</sup> RFID Reader

## iID<sup>®</sup> PEN mini 3.5

13.56 MHz RFID reader for general applications:

- useful for very small transponders up to chip card sizes
- useable as touch pen for PDAs or other touch display devices
- supports ISO 15693 and other TAGs

With the PEN mini continues *microsensys* the successful pen style product family of smart, flexible and low power RFID read write units. This exceptional RFID interface supports a wide range of 13.56 MHz TAGs for closed coupling communication.

*microsensys* offers an attractive reader component platform for closed coupling RFID solutions.



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RFID in motion

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<b>Carrier Frequency:</b>	13.56 MHz
<b>Air Interface Technology:</b>	RFID system iID <sup>®</sup> 2000, closed coupling, based on ISO 15693 high speed and fast mode, no anticollision
<b>Transponder Systems:</b>	ISO 15693: mic3 <sup>®</sup> , I-CODE <sup>®</sup> SLI, Tag-it <sup>®</sup> , my-D <sup>®</sup> , iID <sup>®</sup> -G, iID <sup>®</sup> -M, EM 4135, ... optional: I-CODE <sup>®</sup> 1, EM4006, Ario <sup>®</sup> , mic3 <sup>®</sup> -64, picopass <sup>®</sup> ...
<b>Operation Mode:</b>	closed coupling read write ACTIVE, IDLE and SLEEP mode operating iID <sup>®</sup> driver engine supporting flashable micro controller for iID <sup>®</sup> operating system upgrades
<b>Operating Distance:</b>	0 ... 30 mm (dependent on transponder type and metal environment)
<b>Reader Antenna:</b>	K3
<b>Field Direction:</b>	front direction low sensitive regarding metal environment, useable for very small TAGs
<b>Dimensions:</b>	approx. D 14 mm, L 135 mm,
<b>Cable Length:</b>	1.5 m
<b>Case Material:</b>	aluminium tube, plastic pin with integrated antenna hermetically encapsulation
<b>Emissions:</b>	examine for EN 300330
<b>Protection Class:</b>	IP 64, without connector
<b>Operating Temperature:</b>	0°C ... +45°C
<b>Storage Temperature:</b>	-25°C ... +70°C
<b>HOST Software Interface:</b>	driver for Windows 98, 2000, ME, XP, PPC200x, CE.net V4.x/V6.x, Windows Mobile
<b>Supported Commands:</b>	see actual API documentation of microsensys iID <sup>®</sup> driver engine

READER Types	75.76.351	75.79.351	75.74.351	
<b>RFID System:</b>	ISO 15693	ISO 15693	ISO 15693	
<b>HOST Interface:</b>	RS232TTL	USB1.1	CFC	
<b>Power Supply:</b>	5 (low-noise)	5 (low-noise)	3.3 (low-noise)	V
<b>Power (Sleep Mode):</b>	< 0.01	< 15	< 0.1	mA

\*) on inquiry

