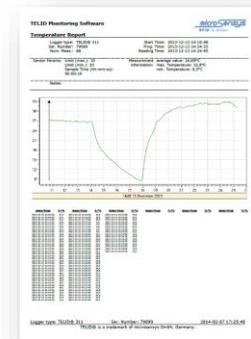


# TELID® - smart sensor data logging



TELID® product line combines wireless identification with sensor applications.

Scope of this document is description of the system solution of semi-passive **TELID®300** data loggers with HF wireless frontend, memory, sensor and battery, **iID®** contactless RFID interfaces and **TELID®** soft for monitoring of logistic, medical or industrial processes.

## Identify • Measure • Evaluate

# ... for all kind of monitoring



**TELID® 3x1** with rugged design for supervision of medical processes and industrial environment.



**TELID® 3x2** logger for process control in half rugged environment.



**TELID® 3x2.nfc** smart sensor data logger for monitoring of logistic processes and mobile data handling.

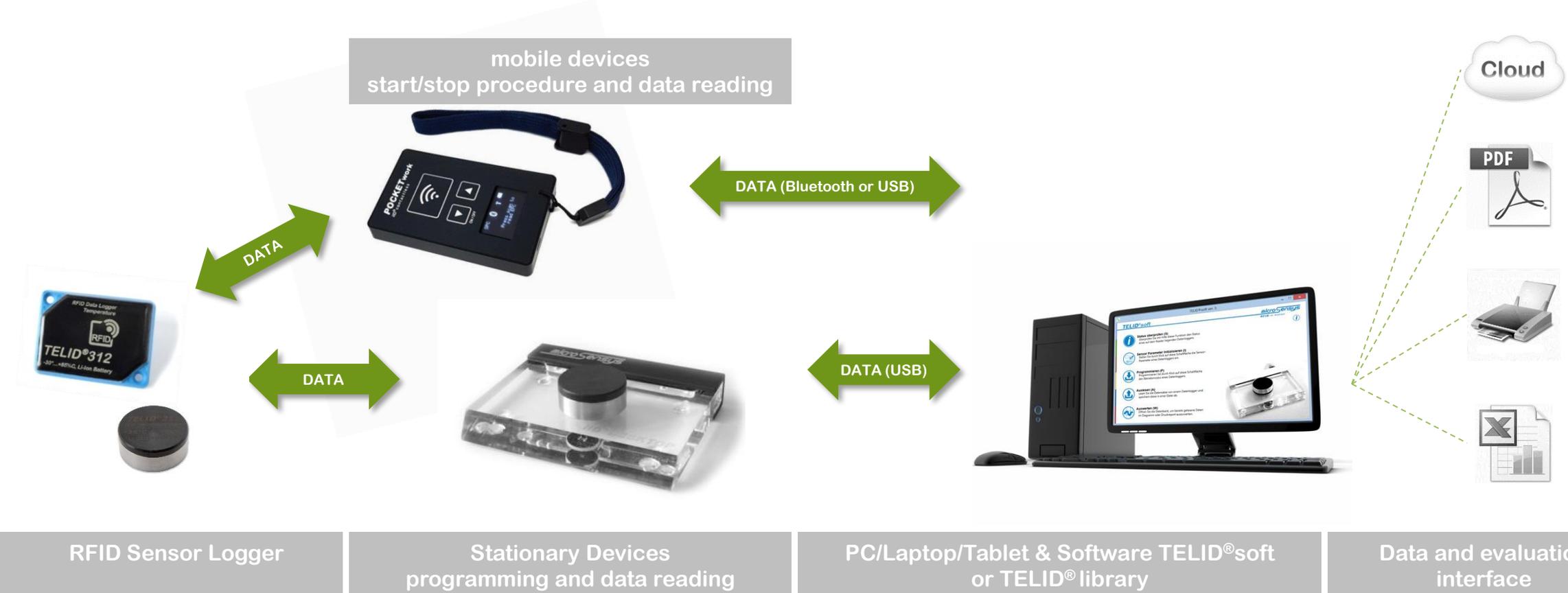


# Classification

	RFID-Transponder	Passive TELID®200 and TELID®400 RFID-Sensor-TAGs	Semi-Passive TELID®300 RFID Data logger	Active components
Function	Identification, Data storage	Identification, Data storage, sensing	Identification, Data storage, sensor monitoring	Identification, sensing
Technology	HF, UHF	HF, UHF	HF, UHF	BLE, LoRa, 5G, ...
Operation	batteryless	batteryless, sensor measurement while scanning	Battery assisted, continuous or event-based measurement	Battery-support for sensor measurement and data transmission
Properties	Maintenance free	Maintenance free, short range or medium range	Long life, battery assisted measurement, short range passive data transmission	Medium life time, long range communication
Example				

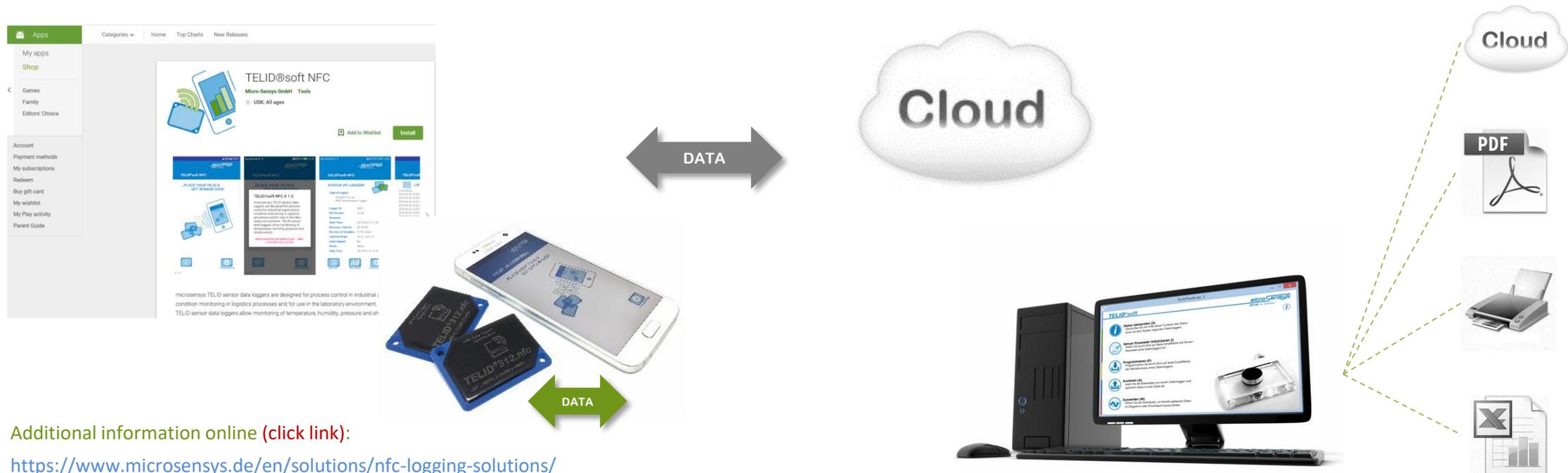
# System Overview

TELID® 300 solution comes with different kind of data loggers, mobile and stationary iID® contactless RFID interfaces and TELID®soft for PC or Android. All components are included in the so called TELID® bundle.



# System Overview – NFC Solution (in development)

TELID® 300.nfc solution comes with different kind of data loggers and are supporting by NFC Smart Phones together with TELID®soft NFC for Android.



Additional information online (click link):

<https://www.microsensys.de/en/solutions/nfc-logging-solutions/>

Smartphones are supporting TELID300.nfc only, TELIDsoft® NFC available for Android platform

Sensor-Datalogger

NFC Smart Phone and TELID®soft  
programming and data reading

Data and evaluation interface

# Operation



## INITIALIZE

- Adjust sensor parameters
- Adjust **LIMIT CONTROL**



## EVALUATE

- Read entire data
- Evaluate and create graphical **REPORTS**
- Save data, export data for extended evaluation

## PROGRAM

- Set monitoring parameters
- Add optional **REMARKS**
- Start logging



## CHECK

- Use unique **TELID® ID NUMBER**
- Check process quality using **LIMIT CONTROL**
- Supported by smart mobile devices



# TELID® temperature bundles – ready to start



## TELID® bundles come in Alu etui and contain following items:

### Data logger:

2 x TELID®311 +125° steel

or

2 x TELID®311 +125° peek

or

2 x TELID®311.ac +134°

### iID contactless RFID interface:

1 x iID®DESKTOPsmart

1 x QuickStartGuide iID®DESKTOPsmart

### Software:

1 x CD-ROM with TELIDsoft and TELID® solution Documentation (as PDF)



## Features

- Complete solution including
  - TELID®311 sensor dataloggers, additional TELID®311, TELID®3x2 or TELID®3x2.nfc sensors can be purchased
  - USB RFID interface
  - PC software supporting all TELID®311, TELID®3x2 or TELID®3x2.nfc sensors for programming, evaluation and reporting
- RFID sensor data loggers with a temperature range from -30°C to +135°C, for harsh environment conditions and encapsulated for using in fluid
- Robust Alu Etui for transport and storage of RFID system components

# Ordering information – TELID®300 bundle

Bundle Type	Picture	Ordering code	Content	Remarks
Temperature Bundle V01 		<b>TELID Temperature Bundle V01</b>	1 x iID®DESKTOPsmart 2 x TELID®311 +125° steel 1 x TELID® Solution Documentation (als .pdf) 1 x CD-ROM with TELIDsoft 1 x Alu Etui	For process monitoring
Temperature Bundle V02 		<b>TELID Temperature Bundle V02</b>	1 x iID®DESKTOPsmart 2 x TELID®311 +125° peek 1 x TELID® Solution Documentation (als .pdf) 1 x CD-ROM with TELIDsoft 1 x Alu Etui	For process monitoring in rugged environment
Temperature Bundle AC 		<b>TELID3T.ac Temperature Logger Bundle</b>	1 x iID®DESKTOPsmart, RFID USB Reader 2 x TELID®311.ac, Temperature Data Logger 1 x TELID® Solution Documentation (.pdf) 1 x CD-ROM with TELIDsoft 1 x Alu Etui	For monitoring of high temperature washing processes

# Ordering information – TELID®311, 343

TELID® Type	Picture	Product code	Technicals	Remarks
311.peek 		<b>14.311.484.04</b>	Temperature Range: -30°C...+125°C Accuracy: +/- 0.5 K ... +/- 2.0 K Samples: 8000	
311.steel 		<b>14.311.484.01</b>	Temperature Range: -30°C...+125°C Accuracy: +/- 0.5 K ... +/- 2.0 K Samples: 8000	Not for new projects
311.ac 		<b>14.311.486.00</b>	Temperature Range: -25°C...+135°C Accuracy: +/- 0.5 K ... +/- 2.0 K Samples: 8000	
311.ace 		<b>14.311.499.00</b>	External sensor Temperature Range: -25°C...+135°C Accuracy: +/- 0.5 K ... +/- 2.0 K Samples: 8000	In development, with external sensor needle
343 		<b>14.343.439.01</b>	Pressure Range: 0 Bar .. 3Bar / 100Bar Memory: 256 kbit	1/4" fitting, D30M

# Ordering information – TELID®3x2

TELID® Type	Picture	Product code	Technicals	Remarks
312 		<b>14.312.710.00</b>	Temperature Range: -30°C...+65°C Memory: 256 kbit	Wireless update
322.3D 		<b>14.322.102.00</b>	Shock Range: -8g...+8g Memory: 256 kbit	Event data logger, Wireless update
332 		<b>14.332.709.00</b>	Humidity Range: 0 ... 100% RH Memory: 256 kbit	Wireless update
342 		<b>14.342.709.00</b>	Pressure Range: 10mBar ... 1200mBar Memory: 256 kbit	Not for new projects

# Ordering information – TELID®3x2.nfc

TELID® Type	Picture	Product code	Technicals	Remarks
312.nfc 		<b>14.312.714.00</b>	Temperature Range: -30°C...+65°C Memory: 32 kbit	NFC interface
332.nfc 		<b>14.332.714.00</b>	Humidity: 0 ... 100% RH Memory: 32 kbit	NFC interface
392.nfc 		<b>14.392.714.01</b>	Humidity: 0 ... 100% RH, Pressure: 300hPa... 1100hPa Temperature: -40°C... 85°C Shock: -8 ... +8g Memory: 32 kbit	In development

# Questions?

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