

PRODUCT DATASHEET

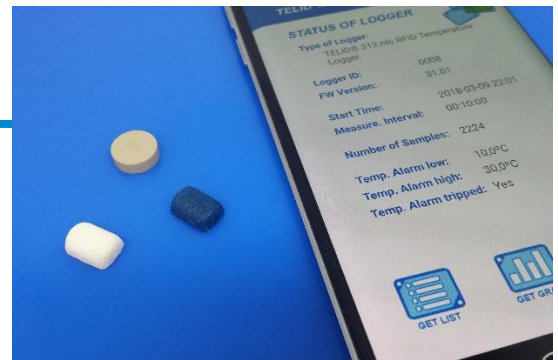
TELID® RFID Sensors

TELID® 315.mini+

miniaturized RFID temperature data logger for probe monitoring, rechargeable

- semi passive sensor data logger
- measurement of ambient temperature
- hard TAG, EPOXY package
- mountable on nonmetal objects
- HF ISO14443 / NFC compatible data communication

RFID Sensor TELID® devices are an integral part of *microsensys* iID® system solution. Caused on its small dimension TELID300.mini is suitable for supervision of short time laboratory and production processes.



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RFID in motion

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Communication System:	RFID sensor data logger	system TELID®300 NFC type 2, ISO14443-A 13.56 MHz 106 kbps
RF communication:		
Carrier Frequency:		
Communication Rate:		
Communication Distance:	0 ... 5 mm	depending on reader antenna and environmental conditions
Sensors:	Si temperature sensor	measure environmental temperature
Resolution:		0.1°K
Accuracy:		± 0.3°K (0°C ... +40°C) ± 0.5°K (-40°C... +85°C)
Memory:	EEPROM	
Content:	unique TELID identification number, logging data, free customer memory	
Data retention:		10 years
R/W endurance:		100.000 cycles
Logging memory:		up to 4kByte
Environment:		
Max. Working Temperature:	-25°C ... +85°C	
Storage Temperature:	-40°C ... +95°C	recommended 25°C
Housing:		
Protection Class:	IP67	
Housing Form:	lens form or cylinder form	no marking
Mounting instruction:	no special mounting possibilities, usage in analytic probe materials	
Operating Modes:	CHARGE, LOGGING	
Basic Functions:	read UID, read DATA, programming of sampling rate, limit information	
Start Time Delay:		programmable, max. 60 min
Sample Time:		1 sec ... 2 min programmable, in step of 1 sec
Measurement Cycle Length:	30 min ... 4 h	depending on environmental conditions
Examples:		appr. 1500 measurements @ 2 sec sampling rate appr. 400 measurements @ 30 sec sampling rate
Rechargeable Battery:		
Wireless Loading:		RFID 13.56 MHz
Loading Time:		approx. 30 min
Application Software:		
Evaluation software Android:		TELID®soft, Android 5.x, 6.x, 7.x
Evaluation software Windows:		TELID®soft 5 (Windows 7, 8, 10) *
Recommended Accessories:		
Smartphone Adapter:		TELID® micro carrier
Tablet/Desktop Communicator:	iID® DESKTOPsmart, iID® POCKETwork, iID® PENSolid	
Battery Recharging:		iID® DESKTOPsmart

Types	TELID315.mini+ lens	TELID315.mini+ cylinder
Packaging	PU (blue or white color)	PEEK / Epoxy
Product Code	14.315.204.00	14.315.504.00
appr. Dimensions	10 x 7 x 4.5 mm	D 10 mm, TH 3 mm

*) in development or on request