



# LPWAN miniUNI DS18B20

LPWAN miniUNI DS18B20 device has been designed for industrial range temperature measurement in different industry areas. The device was optimized to achieve best precision for temperatures -50 to +125°C and can be easily used for checking storage and transportation temperature.

MiniUNI DS18B20 is designed for digital 1WIRE DS18B20 kind of probe, however can be extended up to 7 probes. The device is battery operated and battery lifetime has been optimized by selection of high quality and ultra-low power components. 5+ year between battery replacement can be expected with 6 messages per day. Enclosure is made of high-quality ABS plastic and has been designed to meet IP65. The device can be delivered in IP68 protection on demand, ask for details before order.

DS18B20 kind of probe eliminates process of calibration, because manufacturer of DS18B20 guarantee constant temperature response during the probe lifetime.

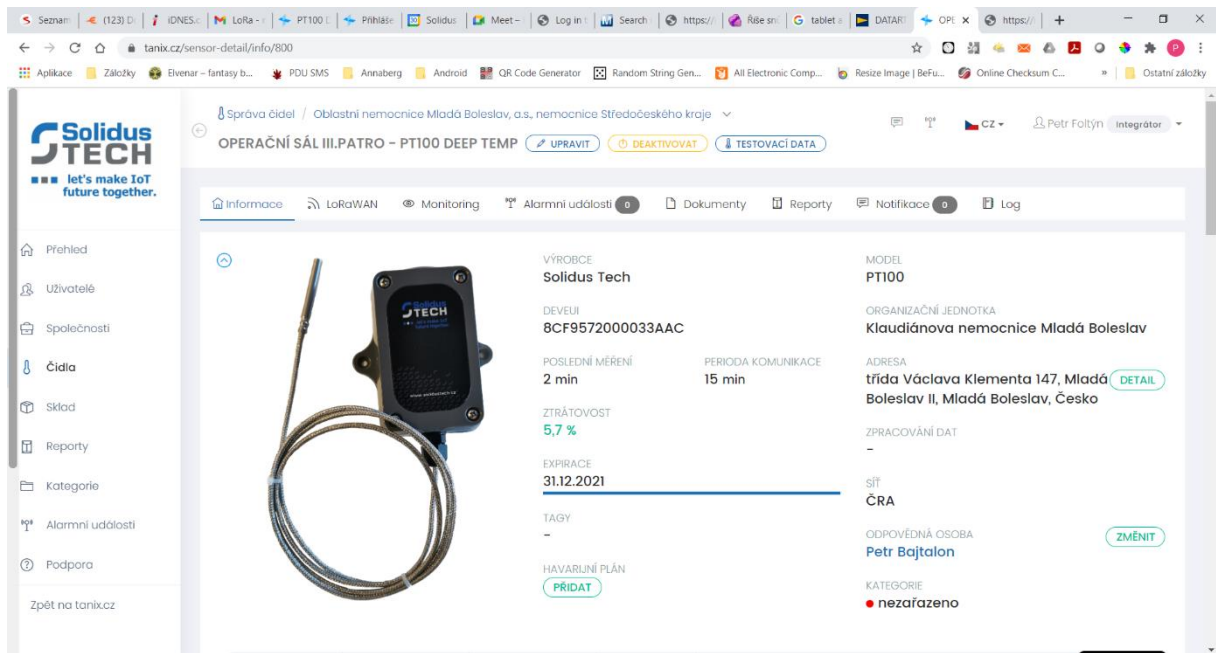


## Usage

- Food industry storage monitoring
- Pharmaceutic industry cure/vaccinas storage
- Industry temperature monitoring
- Smart agricultural soil/air temperature monitoring

LPWAN Pressure IP65 device	Parameter
Protection	IP65, IP68 on demand
Operating temperature	-40 to +80°C
Power supply	3.6V lithium battery 14505(M)/2600mAh, 2 batteries possible
Power consumption	<3,5uA in deep sleep/80mA transmission (Sigfox, LoRa) / 500mA (NBloT)
Battery lifetime	Aprox. 20 000 transmissions
Supported LPWAN standards	Sigfox, LoRaWAN, NBloT (one of selected upon order)
Dimensions in mm	107 x 65 x 33 + probe 182 x 30 x 12
Weight	145g
Temperature probe	DS18B20, range -50 to +125°C
Accuracy	+/-0.5°C
Cable length	Upon request, standard. 1m
Antenna/typical range	Helical, gain 2.5dBi/45 to 110km depends on LPWAN technology



Správa čidel / Oblastní nemocnice Mladá Boleslav, a.s., nemocnice Středočeského kraje

OPERAČNÍ SÁL III.PATRO – PT100 DEEP TEMP UPRAVIT DEAKTIVOVAT TESTOVACÍ DATA

Informace LoRaWAN Monitoring Alarmní události Dokumenty Reporty Notifikace Log

**SOLIDUS TECH**  
let's make IoT future together.

**VÝROBCE**  
Solidus Tech

**MODEL**  
PT100

**DEVEJÍ**  
8CF9572000033AAC

**ORGANIZAČNÍ JEDNOTKA**  
Klaudíánova nemocnice Mladá Boleslav

**POSLEDNÍ MĚŘENÍ**  
2 min

**PERIODA KOMUNIKACE**  
15 min

**ADRESA**  
třída Václava Klementa 147, Mladá Boleslav II, Mladá Boleslav, Česko DETAIL

**ZTRÁTOVOST**  
5,7 %

**EXPIRACE**  
31.12.2021

**ZPRACOVÁNÍ DAT**  
-


**SÍŤ**  
ČRA

**TÁGY**  
-

**ODPOVĚDNÁ OSOBA**  
Petr Bajtalan ZMĚNIT

**HAVARIJNÍ PLÁN**  
PŘIDAT

**KATEGORIE**  
● nezařazeno

**ČIDLO**  


**PREHLED**  
Uživatelé  
Společnosti  
Čidla  
Sklad  
Reporty  
Kategorie  
Alarmní události  
Podpora  
Zpět na tanix.cz