- *Turnkey solution with early detection algorithm for illness*
- *Small form factor and light weight reducing the discomfort level of the animal due to wearing the sensor*
  Easy monitoring and operation with smartphone app or Cloud

Care for Swine

PE100R can detect serious illness by monitoring and tracking changes in body temperature, activity, and sleep level of the animal. In addition, the PE100R allows taking early action on behavioral issues or abnormal conditions such as anxiety, stress or boredom.

With timeline feature for body temperature & activity log, the PE100R becomes a real automated health monitoring tool in swine farms.
The Timeline provides a simple and comprehensive overview of the animal behavior and other types of movements to preventively detect health problems.

Features

- Records the value of body temperature and activity level and alerts when measured data is abnormal
- 5 Levels of activity: Level 1&2: Below normal, Level 3: Normal, Level 4&5: Above normal
- Magnetic attraction type clamping structure
- Onboard LED to effortlessly locate a specific animal

PE100R (ear tag) TECHNICAL DETAILS

Size	Female: Φ40x30x7.8mm, Male: Φ28x22.8 mm
Weight	7.7g
Wireless Connectivity	BLE 5.0
Battery	CR1632
Body temperature precision	±0.5 °C
Detectable behaviors	Active, resting, eating, …
Frequency of data transmission to gateway	30/60 mins
Offline sensor data storage	14 days (average temperature & activity state)
Product protection grade	IP67
Operating temperature	-10 °C to +55 °C
Transmission distance	25m (view of sight)
Maximum capacity per gateway	70+ tags
Battery life	Six month

SIMPLIFIED SYSTEM DIAGRAM