

A wide temperature range allows these temperature tags to monitor both very high temperatures and ultra-low temperatures.

These Active Temperature Sensor Tags operate at 2.45 GHz, for global use, and provide real-time collection and monitoring of an item's temperature. The tag also allows for boundary temperatures to be configured and will transmit an alarm if the temperature of the item exceeds the boundary condition. The 127003L tag can store up to 1000 measured temperature readings with time stamp in a first in first out queue. These active tags can be switched between work mode where the tag continues to transmit at a configurable interval or idle mode to save energy. A wide temperature range allows for the monitoring of both very high temperatures and ultra-low temperatures.



Key Features

- ✓ Highly Sensitive, accurate external fixed temperature probe
- ✓ Detects temperature in real time
- ✓ Configurable between work and idle mode
- ✓ Can store up to 1000 measured readings (model 127003L)
- ✓ 2.45 GHz global ISM frequency
- ✓ Identification rate of 100 tags per second

Technical Specifications

	127003P	127003L
Communications		
Frequency	2.4 GHz to 2.5 GHz, ISM frequency	
Read Range	2 to 50 meters adjustable	
Modulation	GFSK	
Communication Mode	Read Only	Read & Store up to 1000 measured readings
Data Rate	1Mbps	
Anti-collision	100 tags per second	
Configuration		
Transmit Interval	1 to 600s adjustable	
Modes	Work and Idle	
Electronic		
Power	<7 μ A, 3 V	
Output Power	0 dBm	
Battery Life	Battery Life 2 years (irreplaceable)	Over 1 year with replaceable battery
Temperature Detecting Range	-80 to +120°C, 0 to 200°C	-30 to 120 °C
Precision	$\pm 2^\circ\text{C}$	
Physical		
Dimension	90 x 31 x 11 mm	
Material	ABS	
Weight	30 g	
Wire Length	100cm/300cm	
Environment		
Operating Temperature	-20 to 60 °C	
Storage temperature	0 to 30 °C	
Operating Humidity	90% non-condensing	

<p>GAO Group</p> <p>GAORFID.com</p> <p>GAOTek.com</p> <p>GAOResearch.com</p>	<p>Toll Free (USA & Canada) 1-877-585-9555 All Other Areas 416-292-0038</p> <p>Dial Ext.601 for Sales Ext.602 for Other Inquiries</p> <p>sales@GAORFID.com</p>
---	--