

Extreme Tag (Model: HKRAT-PT02)

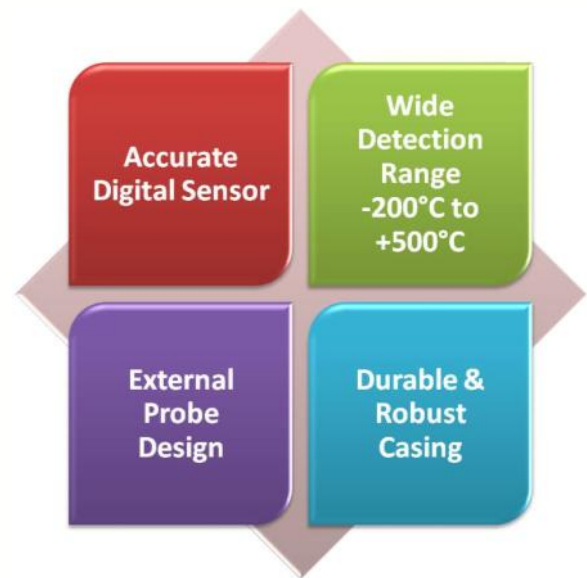
Tempcorder™ 2.4GHz Active RFID Tag

Temperature sensing tag with external probe that can detect temperatures from -200° C to +500° C for environment monitoring or hazard prevention applications at extreme surroundings.

The Tempcorder™ Active RFID Tag family consists of a series of environment sensing active RFID tags equipped with accurate sensors and powerful RFID functionality. Not only do all Tempcorder™ Active RFID Tags provide excellent reading range and reliability, their unique product design allows flexibility in applying tags on different objects.

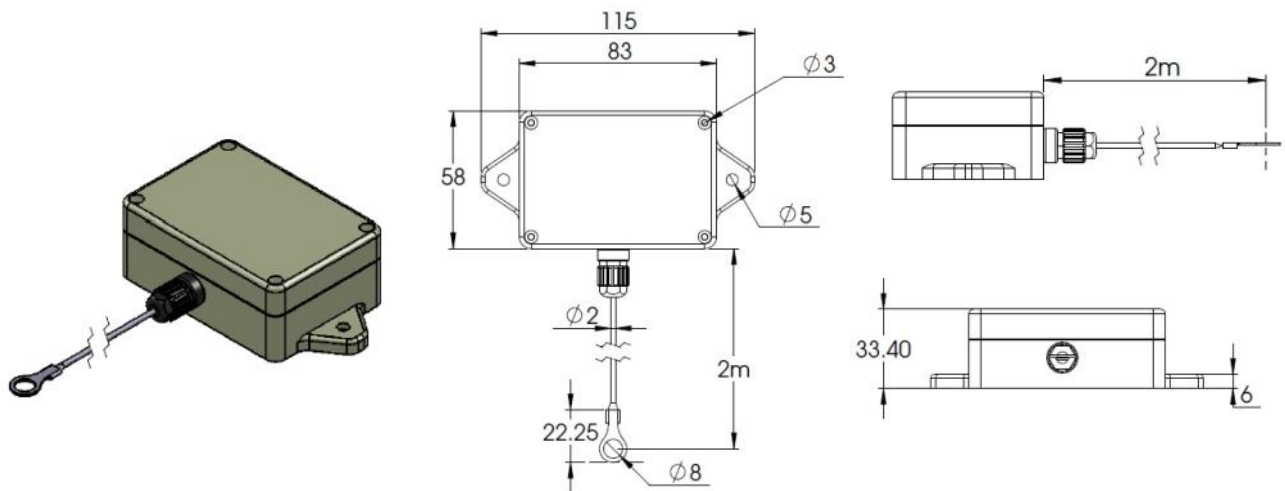
Extreme Tag has an external probe with detection temperature range of -200°C to 500°C. The probe can be placed in contact with objects that are extremely hot/cold while the body of the tag remains at another location that is of less extreme temperature. This allows the **Extreme Tag** to be used for temperature monitoring in extreme environments to deliver accurate real-time temperature data to the central server.

Extreme Tag has a battery life of more than 5 years. With its robust and durable design, the tag is suitable for long term usage even in harsh environments.



Specification

Frequency	2.4GHz ~ 2.5GHz ISM
RF Power Output	0dBm (1mW)
Modulation	GFSK
Data Rate	1Mbps
Anti-Collision	Read more than 100 tags simultaneously
Operation	Read only
Battery Type	Lithium CR123A cylindrical cell
Battery Life	Around 2 years (battery life measured at 5-second beacon interval)
Reading Range	30 to 50 meters (depends on reader and environment)
Dimension	Body: 115mm x 58mm x 33.4mm Probe length: 0.5m (other lengths available upon request)
Weight	107g
Detection Temperature Range	-200°C to +500°C
Operation Temperature Range	Body: -30°C to +60°C Probe: -200°C to +500°C
Temperature Accuracy	+/- 2°C for 275°C or below
Temperature Resolution	0.1°C



Product Certificates:



For enquiries, please contact:

Email: sales@hk-rfid.com

Tel: (852) 3426 9511

Fax: (852) 3426 9519

Company Awards:



Distributor: