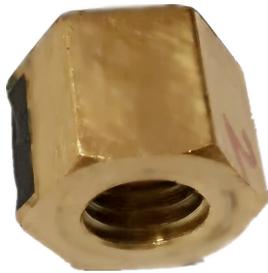


Wireless Temperature Sensor

Rugged for on-metal applications



代理商联系方式:

样品, 评估板, 参考设计, 报价, 技术支持

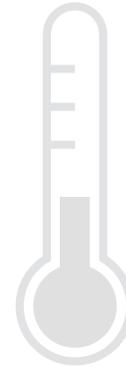
电话: 0755-82565851

邮件: dwin100@dwintech.com

手机: 156-2521-4151

网址: <http://www.dwintech.com>

深圳市南频科技有限公司



DWTS3031X

APPLICATIONS

Switchgear contactor points
Electric busbar monitoring
Predictive maintenance
Monitor electric motors
Monitor HVAC efficiency
Monitor AC switchgear

KEY FEATURES

Normal temperature range
-40 °C to +85 °C

High-temperature alarm
up to +125 °C

Battery-free design

Adhesive backing

Battery-free equipment monitoring

The DWTS3031X is a wireless battery-free temperature sensor. This rugged sensor is designed to switchgear contactor points, busbars and equipment temperatures in the harsh and extreme environments. Other uses include electric motor protection, bearing temperature monitoring, heating and cooling equipment (HVAC) efficiency monitoring and other applications where metal surfaces are common.

Wireless temperature sensing

The DWTS3031X has a normal operating temperature range of -40 °C to +85 °C. This covers the typical operating temperatures of most equipment over a range of environmental operating conditions. The DWTS3031X reports temperatures beyond its normal operating range to as high as +125 °C, although prolonged operation at such an elevated temperature is not recommended.

Rugged design for use on metal and equipment

The DWTS3031X is built with a robust composite antenna and is ideal for harsh environments subject to temperature extremes and the elements. The integrated RF antenna harvests energy for the temperature sensing function, as well as communicates with a RAIN/UHF compliant reader. The integrated antenna is suitable for use on metal surfaces that might otherwise adversely affect wireless/RF communication range.

Compliance

The DWTS3031X is available in FCC and EU/ETSI frequency ranges. The DWTS3031X requires a RAIN/UHF compliant reader. These sensors can be purchased separately or as part of a system.

DWTS3031x Performance Data

Rugged temperature sensor for on-metal and industrial applications

PARAMETER	VALUE
Normal temperature range	-40 °C to +85 °C
High-temperature alarm	Up to +125 °C
Compatible standards	EPC class 1 gen 2 v2.0.1 ISO 18000-6C
TID memory	64-bits
EPC memory	160-bits supporting up to 128-bit EPC
User memory	128-bits
Sensor Size (DWTS3031X)	10 x 5 x 3 mm
Adhesive	Self-stick with easy release tab
Shipment method	Vacuum packed tray
Minimum order quantity	5 pc MOQ
Ordering information	DWTS3031-10F (FCC 902 to 928 MHz) M10 Nut tag H=14 mm DWTS3031-12F (FCC 902 to 928 MHz) M12 Nut tag H=14 mm DWTS3031-16F (FCC 902 to 928 MHz) M16 Nut tag H=14.5mm

