

# Instructions: S209657 Non-Sparking Temperature Detector

 II 3 G Ex nA IIC Gc U

Document 1621172 Rev. A

## 1. Description

---

Dual element resistance temperature detector designed to be installed in babbitt style bearing shoes.  
Operating temperature range is -50°C to 200°C.

## 2. Attestation of Conformity

---

This Attestation of Conformity is issued under the sole responsibility of the manufacturer.

Temperature detector type: S209657.

The product defined above is in conformity with the following relevant legislation:

ATEX Directive 2014/34/EU

EN 60079-0:2012+A11:2013 Explosive atmospheres - Part 0: Equipment - General requirements

EN 60079-15:2010 Explosive atmospheres - Part 15: Equipment protection by type of protection “n”

 11 July 2017

Rob Bohland, Ex Authorized Person

Minco Products, Inc

7300 Commerce Lane

Minneapolis, MN 55432 USA

## 3. Installation Instructions

---

The installation of the temperature detector in a bearing completes the enclosure and provides the protection from mechanical impact.

A separate installation instruction, EI 183, *Temperature Detector in Bearing Shoe, Ring and Spring Method*, is included with each shipment. If lost, a copy can be downloaded from the Minco website ([www.minco.com](http://www.minco.com)).

## 4. Special Conditions of Use

---

Maximum voltage:  $\leq 30$  V

## 5. Electrical Data

---

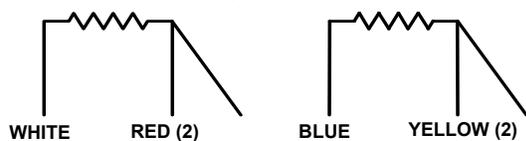
Maximum voltage:  $\leq 30$  V

## 6. Electrical Connections

---

### Dual Element Sensor

3 leads per element



## 7. Marking Example

---

**MINCO**

Minneapolis, MN USA

Model: S209657

Lot batch: 123456-\*-\*-001

 II 3 G Ex nA IIC Gc U