

## Certificate of Conformance – ZS300 Sensor Accuracy

1. Reliability statement
  - i. Bruce with Harry to assist
2. Harry, [Christine W](#), Legal, [Mark E](#), [Beth Harker](#), [Mike D](#) to construct certificate

Zebra certifies that the products listed in the table below were manufactured in accordance with the technical specifications (accuracy) as published in product datasheets and that batches are tested on an ongoing and regular basis according to our internal processes based on the ISO 2859-1 standard(?).

Zebra Sensors (Temperature) SKUs
ZS300-10001-0000
ZS300-1000E-0000
ZS300-1000L-0000
ZS300-1000A-0000
ZS300-1000B-0000

We base this information on the sensor manufacturer's datasheet certificate of calibration and their commitment to test 100% of all products delivered. In addition, the complete fully-assembled Zebra Sensor is also 100% tested for functionality to meet accuracy readings of  $\pm 0.3^{\circ}\text{C}$ .

### 1. Sensor Manufacturer Data:

(Mike W to provide some details)

The purpose of our control is therefore to use sampling to verify whether the final product respects metrology data already controlled on a per-unit basis by the sensor supplier. This is thus a dual inspection process to provide additional validation that the product conforms with Zebra's stated accuracy values.

### 2. Operating and Storage Conditions:

The above performance validation is applicable to product used within the specified operating conditions of the Zebra Sensors which are:

- $-40$  to  $+85^{\circ}\text{C}$  ( $-40$  to  $185^{\circ}\text{F}$ )
- 10 – 90% Relative Humidity, non-condensing

and storage conditions of:

- $0^{\circ}\text{C}$  to  $30^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  and  $86^{\circ}\text{F}$ );
- 0 to 90% Relative Humidity, non-condensing.

If the product violates those environmental conditions specified the warranty is voided and the accuracy is not guaranteed.

### 3. Limited Warranty Info:

Hardware is warranted for a period of twelve (12) months from date of shipment from Zebra or, with proof of purchase, from the purchase date whichever is later, against defects in workmanship and materials, provided the Hardware remains unmodified and is operated under normal and proper conditions and in accordance with Zebra published specifications. The sole obligation of Zebra for defective Hardware is limited to repair or replacement (at Zebra's sole discretion) on a "return to service depot" basis with Zebra's prior authorization.

Other verbiage to possibly use:

Zebra certifies that the device(s) manufactured in 20xx, have been tested in accordance with Zebra Reliability and xx procedures and meet or exceed the temperature accuracy specifications for the published operating temperature range. Zebra also certifies that the Zebra Sensor ZS300 uses 3rd party digital temperature sensor which is factory calibrated under controlled temperature conditions at the sensor manufacturer's production setup. The calibration values are stored in non-volatile memory of the sensor and does not require any field calibration. The sensors are 100% tested on a production setup that is NIST traceable and verified with equipment that is calibrated to ISO/IEC 17025. Each device is subject to functional testing and batch testing to validate calibration results. Zebra certifies that the product listed above has passed the tests performed in accordance with the Zebra requirements and specifications noted above