**Gibitre Instruments S.r.l.**
Via Dell'Industria,73 24126 BERGAMO - ITALY
Tel. +39035460146
E-mail: info@gibitre.it - http://www.gibitre.it

| CER_OZO_001 | Rev: 02 | IN |
|---|---|---|

# Calibration Report n° OZNXXXXXXX_62307

# Issued 29/04/2026

## Customer

| | |
|---|---|
| Name | C**USTOMER** |
| Address | A**DDRESS** |
| | A**DDRESS** |
| Country | C**OUNTRY** |

## Order

Number

## Instrument

| | |
|---|---|
| Type | OZONE CHECK |
| Model | OZONE CHECK - UV |
| Producer | GIBITRE INSTRUMENTS S.R.L. |
| Serial Number | OZNX**XXXXXX** |

## Calibration

| | | |
|---|---|---|
| Date of the measures | **04/05/2026** | |
| Technician | **Antonino Venuti** | Habilitation for Calibration |

## Reference Standard

The calibration is made in accordance to the requirements of the following standards:

**ISO 1431-1: Rubber, vulcanized or thermoplastic – Resistanceto ozone cracking –Part 1: Static and dynamic strain testing**

**ISO 18899: Rubber - Guide to the calibration of test equipment**

The measurement uncertainties stated in this document have been determined according to the ISO/IEC Guide 98 and to EA-4/02. Usually they have been estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally, this factor k is 2.

Calibration made by:

**Antonino Venuti**

Calibration Report approved by:

**Ivan Locatelli**

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*The measurement results reported in this Calibration Report were obtained following the procedures given in the following pages, where the reference standards or instruments are indicated which garantee the traceability chain of the laboratory, and the related calibration certificates in the course of validity are indicated as well. They relate only to the calibrated item and they are valid for the time and conditions of calibration, unless otherwise specified.*

| Reference Instruments | Producer | Serial N. | Gibitre Code | Certificate N. | Calibration Laboratory | Issue Date | Due Date | Uncertainty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| Calibratore UV per ozonometro | Gibitre Instruments srl | CAOZ09 | CAOZ09 | LAT 268 - T139 | PROJECT AUTOMATION S.P.A. | 03/03/21 | 03/03/2027 | 1,38 | PPHM |
| Termoresistenza PT100 + Calibratore | Gibitre Instruments srl | C1-T-PTA | C1-GB3-CAL-1 + C1-T-PTA | LAT_128T_1417_22 | ELLAB S.r.l. | 25/09/22 | 25/09/2027 | 0,05 | °C |
| Cronometro | RS COMPONENTS | GBT.CN.01/13 | CRO02 [0-60 s] | LAT 056 23-0199_2023 | GAMMA MISURE | 09/02/23 | 09/02/2028 | 0,10 | s |
| Calibratore UV per ozonometro | Gibitre Instruments srl | GB3CAL-OZ02 | CAOZ02 | CAOZ02-06_21825 | GIBITRE INSTRUMENTS | 18/05/25 | 18/05/2026 | 1,56 | pphm |
| Calibratore UV per ozonometro | Gibitre Instruments srl | GB3CAL-OZ03 | CAOZ03 | CAOZ02-06_21825 | GIBITRE INSTRUMENTS | 18/05/25 | 18/05/2026 | 1,56 | pphm |
| Calibratore UV per ozonometro | Gibitre Instruments srl | GB3CAL-OZ04 | CAOZ04 | CAOZ02-06_21825 | GIBITRE INSTRUMENTS | 18/05/25 | 18/05/2026 | 1,56 | pphm |
| Calibratore UV per ozonometro | Gibitre Instruments srl | GB3CAL-OZ05 | CAOZ05 | CAOZ02-06_21825 | GIBITRE INSTRUMENTS | 18/05/25 | 18/05/2026 | 1,56 | pphm |
| Calibratore UV per ozonometro | Gibitre Instruments srl | GB3CAL-OZ06 | CAOZ06 | CAOZ02-06_21825 | GIBITRE INSTRUMENTS | 18/05/25 | 18/05/2026 | 1,56 | pphm |
| Termoigrometro digitale | MICHELL | 308696-309058 | TIG02 [10-90 Ur%] | LAT 123 24-SU-0938 | CAMAR ELETTRONICA s.r.l. | 27/05/24 | 27/05/2029 | 1,60 | Ur % |
| Calibratore + Cronometro | Gibitre Instruments srl | C4-CH-1 | C4-GB3-CAL-1 + C4-CH-1 | CAL104_28754 | GIBITRE INSTRUMENTS | 02/09/25 | 02/09/2026 | 0,16 | s |
| Termoresistenza PT100 + Calibratore | Gibitre Instruments srl | C4-T-PTA | C4-GB3-CAL-1 + C4-T-PTA | CAL104_28754 | GIBITRE INSTRUMENTS | 02/09/25 | 02/09/2026 | 0,06 | °C |
| Calibratore + Sensore Umidità | Gibitre + Michell | C4-RH-1 | C4-GB3-CAL-1 + C4-RH-1 | CAL104_28754 | GIBITRE INSTRUMENTS | 02/09/25 | 02/09/2026 | 1,60 | RH% |

ENVIRONMENTAL CONDITIONS

| | |
|---|---|
| Room Temperature | (23 ± 2) °C |
| Relative Humidity | (50 ± 10) % |

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# Calibration Report n° OZNXXXXXXX_62307

Calibration of: **Temperature inside the test chamber**

Sensor Type: **PT 100 Thermoresistance**
Resolution: 0,1 °C

Procedure: The test temperature is set on the instrument. When the temperature is stable, the reading of the instrument is compared with the one of the reference thermometer. The test is repeated 3 times for each temperature tested.

Reference Standard: **ISO 1431-1 Par. 5.1**

Reference Instruments:
**C4-GB3-CAL-1 + C4-T-PTA** Uncertanty: 0,0603 °C Deviation 0,10 °C

| Set Value °C | Minimum Allowed °C | Maximum Allowed °C | Calibrator Reading °C | Deviation °C | Uncertanty U_ext_95% °C | Outcome |
|---|---|---|---|---|---|---|
| 30 | 28 | 32 | 30,50 | 0,50 | 0,142 | ok |
| 40 | 38 | 42 | 40,20 | 0,20 | 0,142 | ok |
| 50 | 48 | 52 | 50,70 | 0,70 | 0,142 | ok |
| 60 | 58 | 62 | 60,80 | 0,80 | 0,142 | ok |

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# Calibration Report n° OZNXXXXXXX_62307

Calibration of: **Ozone Concentration**

Sensor Type: **UV-Absorption Detector**
Resolution: 1 pphm

Procedure: The ozone concentration in the test chamber is set at defined levels. When the concentration is stable, the reading of the Ozone detector of the instruement is compared with the reading of the reference Ozone Detector

Reference Standard: **ISO 1431-1 Par. 5.3**

Reference Instruments:
**CAOZ02** Uncertanty: 1,56 pphm Deviation 1,80 pphm

| Set Value pphm | Minimum Allowed pphm | Maximum Allowed pphm | Calibrator Reading pphm | Deviation pphm | Uncertanty U_ext_95% pphm | Outcome |
|---|---|---|---|---|---|---|
| 25 | 20 | 30 | 24,30 | -0,70 | 1,663 | ok |
| 50 | 45 | 55 | 49,70 | -0,30 | 1,663 | ok |
| 100 | 90 | 110 | 99,70 | -0,30 | 1,663 | ok |
| 200 | 180 | 220 | 200,20 | 0,20 | 1,663 | ok |
| 500 | 450 | 550 | 500,10 | 0,10 | 1,663 | ok |

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# Calibration Report n° OZNXXXXXXX_62307

Calibration of: **Time for Ozone concentration to reach set value at test start**

Procedure: The ozone concentration inside the instrument must be in the tolerance limits within 30 minutes from test start. The reading of the instrument under calibration is recorded after 30 minutes.

Reference Standard: **ISO 1431-1 Par. 5.3**

Reference Instruments:
**C4-GB3-CAL-1 + C4-CH-1** Uncertanty: 0,1618 s Deviation 0,00 s

| Set Value pphm | Minimum Allowed pphm | Maximum Allowed pphm | Instrument Reading after 30 min pphm | Outcome |
|---|---|---|---|---|
| 25 | 20 | 30 | 25,5 | ok |
| 50 | 45 | 55 | 50,2 | ok |
| 100 | 90 | 110 | 99,1 | ok |
| 200 | 180 | 220 | 199,0 | ok |
| 500 | 450 | 550 | 500,2 | ok |

Calibration of: **Relative humidity**

Sensor Type: **Humidity Sensor**
Resolution: 1 RH%

Procedure: The instrument is set at different temperatures to obtain different levels of relative Humidity. After an adecuate conditioning time, the the reading of the instrument under calibration is recorded in the cell 'Instrument Reading', while the reading of the Reference Instrument is recorded in the cell 'Calibrator Reading'

Reference Standard: **ISO 1431-1 Par. 5.1**

Reference Instruments:
**C4-GB3-CAL-1 + C4-RH-1** Uncertanty: 1,6011 RH% Deviation 1,00 RH%

| Instrument Reading RH% | Minimum Allowed RH% | Maximum Allowed RH% | Calibrator Reading RH% | Deviation RH% | Uncertanty U_ext_95% RH% | Outcome |
|---|---|---|---|---|---|---|
| 50,00 | 45 | 55 | 50,10 | 0,10 | 2,057 | ok |
| 75,00 | 70 | 80 | 75,10 | 0,10 | 2,057 | ok |

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# Calibration Report n° OZNXXXXXXX_62307

**Verification of instrument safety devices**

| | |
|---|---|
| √ | Checking for ozone leakage from the sealing cover |
| √ | Checking for ozone leakage from air circulation pipes |
| √ | Visual inspection of the condition of the air circulation tubes |
| √ | Final verification of operation of safety devices |
| √ | Final verification that the instrument is functioning properly with safety devices active |

**Disclaimer**

The outcome of verifications regarding the absence of leakage and the proper functioning of safety devices on the instrument refers to the time when the verification is performed.
Periodic verification of the maintenance of the safety features of the instrument between successive maintenance services is the responsibility of the customer.