

Calibration Report n°

OZNXXXXXXXX_62307

Issued

29/04/2026

Customer

Name CUSTOMER
Address ADDRESS
ADDRESS
Country COUNTRY

Order

Number

Instrument

Type OZONE CHECK
Model OZONE CHECK - UV
Producer GIBITRE INSTRUMENTS S.R.L.
Serial Number OZNXXXXXXXX

Calibration

Date of the measures **04/05/2026**
Technician **Antonino Venuti** [Habilitation for Calibration](#)

Reference Standard

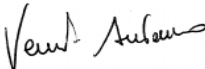
The calibration is made in accordance to the requirements of the following standards:

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

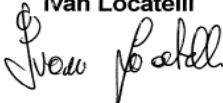
ISO 18899: Rubber - Guide to the calibration of test equipment

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 guarantee 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 141 7 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 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

Uncertainty: 0,0603 °C

Deviation 0,10 °C

Set Value °C	Minimum Allowed °C	Maximum Allowed °C	Calibrator Reading °C	Deviation °C	Uncertainty 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 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 Uncertainty: 0,1618 s Deviation 0,00 s

Set Value	Minimum Allowed	Maximum Allowed	Instrument Reading after 30 min	Outcome
pphm	pphm	pphm	pphm	
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 adequate 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 Uncertainty: 1,6011 RH% Deviation 1,00 RH%

Instrument Reading	Minimum Allowed	Maximum Allowed	Calibrator Reading	Deviation	Uncertainty U_ext_95%	Outcome
RH%	RH%	RH%	RH%	RH%	RH%	
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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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.