TEINCO Calibración

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DOC-11.24

CERTIF Nº. T-1848/21

CALIBRATION CERTIFICATE

CHARACTERISTICS OF THE INSTRUMENT TO CALIBRATE:

INSTRUMENT:	**DATALOGGER DE TEMPERATURA**
MAKER:	AUTOMATISMOS TEINCO
MODEL:	22T
SERIAL Nº:	430000007819B741
SCALE:	0+125 ºC
SCALE DIVISION:	0,01
INMERSIÓN:	TOTAL
INTERNAL CODE:	---

PETITIONER:	TRIOMACHINE,S.L. POL.EMPRESARIAL PORTO DO MOLLE-BUZON 65 36350 NIGRAN

CALIBRATION DATE:	28/07/2021
NEXT CALIBRATION DATE: (RECOMMENDED)	28/07/2022

CALIBRATION PROCESS:

1.PATTERN USED: **DIRECT READING THERMOMETER WITH PT-100 PROBE.**

MAKER:	*DELTA OHM*
MODEL:	*HD 2107.1 / TP 472 I.0*
SERIAL Nº:	*08008352/08008153*
CERTIFICATE:	LT-210970-1

2.PROCEDURE USED: INTERNAL PROCEDURE TEINCO P.G.C.-TER-96.02.

3.ENVIRONMENTAL CONDITIONS:

AMBIENT Tª	22	ºC
RH	54	%

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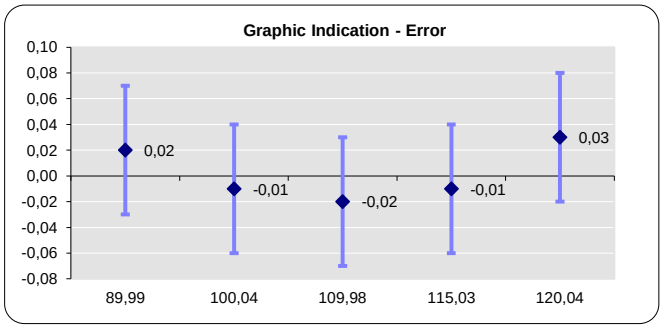
CALIBRATION RESULT:

The instrument reading in the following table is considered as the average of the 4 values taken for each reference temperature in the calibration.

REFERENCE TEMPERATURE ºC	INSTRUMENT READING ºC	CORRECTION ºC	UNCERTAINTY ºC
89,99	**89,97**	**0,02**	**0,05**
100,04	**100,05**	**-0,01**	**0,05**
109,98	**110,00**	**-0,02**	**0,05**
115,03	**115,04**	**-0,01**	**0,05**
120,04	**120,01**	**0,03**	**0,05**



ACCURACY AND UNCERTAINTY:

1. For ACCURACY: The maximum correction that must be made is: **0,03** ºC

2. For UNCERTAINTY: The contributions of the standards used, the calibration method, the calibrated instrument and environmental conditions have been considered for its calculation. Based on these data, the uncertainty associated with the calibration is:

TOTAL UNCERTAINTY ASSOCIATED = **0,05** ºC

Depending on the data obtained in the calibration, the deviations presented by the equipment, for the conditions defined in the test, are in the interval:

FROM:	**±**	**0,06**	**ºC**
TO:	**±**	**0,08**	**ºC**

The assigned uncertainties correspond to a level of reliability of not less than 95% K = 2 according to document EA-4/02.

The results contained in this certificate refer to the time and conditions in which the measurements were made.

CONTROL LABORATORY: Signed: FRANCISCO TOUZA

AUTOMATISMOS TEINCO,S.L.

Calibration certificate extension date: Vigo, a 28 de julio de 2021.