

CERTIFICATE OF CALIBRATION

Issued by

TESTO LIMITED

DATE OF ISSUE 12 March 2020

CERTIFICATE NUMBER Test123



0805

Page 1 of 2 pages



Testo Limited
Newman Lane, Alton
Hampshire, GU34 2QJ
Tel: 01420 544433
Fax: 01420 544419

Approved Signatory

Name xxx

Signature

Customer name	Testo Limited Newman Lane Alton GU34 2QJ
Order number	None
Customer reference	Unmarked
Description	testo 608-H2 hygrometer
Serial number	123456789
Condition	Satisfactory
Date of calibration	12 March 2020
Date received	12 March 2020

The instrument was calibrated in a closely controlled environmental test chamber. The calibration was performed by generating a condition that was monitored using Pt100 temperature probes and a chilled mirror, with the reference humidity calculated from these parameters. The temperature scale used in the laboratory was the International Temperature Scale of 1990. At each generated condition a time of not less than 60 minutes was allowed for temperature and relative humidity to equilibrate. A set of 10 readings recorded at 1 minute intervals was then taken from the reference and instrument under test, and the value recorded as the average of these 10 measurements.

The ambient conditions in the laboratory at the time of testing were $24\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$, and less than 90% relative humidity.

Calibration performed by:

xxx

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

CERTIFICATE OF CALIBRATION

Certificate Number

Test123

Page 2 of 2 pages

UKAS Accredited Calibration Laboratory number 0805

As found results

Humidity				Temperature			
Applied %RH	Indicated %RH	Error %RH	Uncertainty ± %RH	Applied °C	Indicated °C	Error °C	Uncertainty ± °C
11.00	11.0	0.00	0.64	25.00	25.0	0.00	0.16
45.00	45.0	0.00	1.04	25.00	25.0	0.00	0.16
75.00	75.0	0.00	1.17	25.00	25.0	0.00	0.16

Results above are only applicable to the instrument tested.

The uncertainties stated above are calculated by combining the uncertainty of the applied condition and the resolution of the unit under test (0.1 %RH and 0.1 °C). These uncertainties are not intended to indicate the specification or repeatability of the unit under test.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.