



***THE SOFTWARE FOR THE AUTOMATIC  
CALIBRATION OF TEMPERATURE,  
CREATED THANKS TO OUR EXPERIENCE***





The software AQ2sp represents the instrument which allows to automatize the procedures provided for checking temperature sensors and transducers which would require the constant presence of the operator. Directly applicable to all the temperature calibrators manufactured by Giussani, AQ2sp functions in Microsoft Windows environment (3.x version or the subsequent ones), it exploits the window interface of this operating system and it is easy to use it without being necessarily an expert.

In addition to the possible exchange of information, both during reading and writing, between computers and calibrators, this software offers the possibility of carrying out three different procedures; the choice of the procedure to be used depends essentially on the type of operation required.



**CALIBRATION OF PROBES**

This type of procedure allows to carry out the calibration of any kind of probes or thermometers at different values set by the user. The acquisition of test probes' values can be carried out in two different ways: by entering the value manually or automatically. In the manual configuration, it is possible to enter up to 60 values of probes and to refer the relevant data to basic samples or to a PT100 directly connected to the calibrator (with possible certification by S.I.T.). By using the appropriate optional scanner, it is possible to carry out automatic calibrations of PT100 and thermocouples up to a maximum of 60 probes.

**PROBE LIFE TEST**

This type of procedure allows to carry out stress cycles on any kind of probes or lots of probes; you only need to set the two limit values of the cycle range and the number of cycles to be performed. The program provides to make the calibrator cycle automatically between the two extreme values with gradients which can be set.



**THERMOSTAT TEST**

This type of procedure allows to carry out automatically thermostat functioning tests. You only need to connect the thermostat's contacts to the calibrator's appropriate bushings and to set the operating parameters, such as tripping theoretical temperature, differential, type of thermostat, test conditions, etc., in order that AQ2sp controls the calibrator according to the calculated parameters and checks the adequacy of the thermostat according to the tripping data recorded.

Each test condition can be recorded so that it is not necessary to set again all the parameters every time a procedure should be performed on the same type of instrument; some registration ranges are available so as to make the parameters relevant to every instrument or procedure univocal.

At the end of each test, AQ2sp automatically displays the result, thus allowing the user to display the relevant data and to decide whether to record or not the report according to what provided by ISO 9000 regulations about the traceability of the instruments' calibrations. At the end of each test, it is possible to print the report or to save it in text format in order to be used by electronic sheets or any word processor.

**COMPATIBLE OVENS AND BATHS**

- BK40 M / TB300M  
Operating range -40°C/+300°C

- QUARTZ / PULSAR / FLUID / SOLAR  
Operating range -25°C/+1100°C

The measuring chain can be certified by S.I.T.



ISO 9001  
CERT. N° 9115 GIU1

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**CERTIFICATION**  
All the instruments are supplied with final testing, stability and accuracy certification traceable to SIT standards

**A QUESTION OF CALIBRATION**