



**DANISH
TECHNOLOGICAL
INSTITUTE**

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To the person in charge of the laboratories

16 October 2017
JNN/MRI

Invitation to participate in an intercomparison concerning humidity and air temperature measurement

Danish Technological Institute hereby invites your calibration laboratory to participate in an interlaboratory comparison concerning humidity and air temperature.

A package containing the following items will be circulated:

Digital hygrometer of the type Rotronic Hygropalm HP22 with a Hygroclip HC 2-S sensor

Digital thermometer of the type Rotronic Hygropalm HP22 with a AC1909 air temperature sensor.

The range covered by this intercomparison is:

Humidity: 23 °C/10 %rh, 23 °C/50 %rh, 23 °C/95 %rh, 45 °C/10 %rh,
45 °C/50 %rh, 45 °C/90 %rh,

Temperature: 0 °C, 10 °C, 30 °C, 50 °C, 70 °C

It is possible to participate in a subrange or just one of the parameters.

The participating laboratories are supposed to use their standard procedures when calibrating the instruments, but the calibration has to be carried out in air or nitrogen.



The price for the participation (exclusive of transport to the next participant in the loop):

For one parameter: EUR 650 exclusive of VAT
For two parameters: EUR 850 exclusive of VAT

The number of participants in each loop of the intercomparison will be limited to ensure that the participating laboratories will receive the report of the intercomparison no later than one year after the start of the intercomparison. The starting date is expected to be at the beginning of 2018.

Danish Technological Institute is accredited by The Danish Accreditation Fund (DANAK) for providing intercomparisons. This means that the intercomparison will be in full accordance with the requirements of ISO 17043, and the participants' results will appear anonymously in the report.

If you want to confirm your participation in the intercomparison, or if you have any questions or comments, please contact me *before 15 December 2017*.

On confirmation, please fill in and return the attached information sheet by email in WORD format.

Kind regards
Danish Technological Institute
Energy and Climate

Jan Nielsen
Team Manager, Metrology

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