

CALIBRATION CERTIFICATE

Instrument Humidity and Temperature Transmitter HMT333
Order code HMT330-3F0A002BCAC100A04AABAA1
Serial number A4650017
Manufacturer Vaisala Oyj, Finland
Calibration date 29th January 2008
Test procedure Doc210426-A

The analog outputs of the above instrument were measured by using working standards of the manufacturer. The outputs were forced by digital input signals to three output values. The observed values were determined by measuring the voltage over a calibrated precision resistor. All results are traceable in terms of voltage and resistance to NIST.

Analog output channel 1 calibration results

Output forced to mA	Observed output mA	Difference mA	Permissible difference mA
2.000	2	0	±0.010
10.000	10.002	+ 0.002	±0.010
18.000	18.005	+ 0.005	±0.010

Analog output channel 2 calibration results

Output forced to mA	Observed output mA	Difference mA	Permissible difference mA
2.000	2.001	+ 0.001	±0.010
10.000	10.004	+ 0.004	±0.010
18.000	18.009	+ 0.009	±0.010

Analog output channel 3 calibration results

Output forced to mA	Observed output mA	Difference mA	Permissible difference mA
-	-	-	-
-	-	-	-
-	-	-	-

Equipment used in calibration

Type	Serial number	Calibration date	Certificate number
HP34970A	EM 12794	2007-09-22	34970AMY44030938
Shunt Cable	JI 11929	2007-02-14	Q00492

Uncertainty (95 % confidence level, k=2)

Current ±0.00175mA

Ambient conditions / Humidity 24 ± 5%RH, Temperature 24 ± 2 °C, Pressure 1008 ± 20 hPa.

For Vaisala Oyj

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