

VAISALA1 (1)
Certificate report no. H49-19060052

CALIBRATION CERTIFICATE

Instrument Dewpoint transmitter DMT143
Serial number R0540575
Order code DMT143 G1G1A1A3A0ASX
Manufacturer Vaisala Oyj, Finland
Calibration date 1st February 2019
Test procedure doc210447-a

The above instrument was calibrated by comparing the dewpoint output to a reference dewpoint meter.

The measurement results are traceable to the international system of units (SI) through national metrology institutes (NIST USA, MIKES Finland, or equivalent) or via ISO/IEC 17025 accredited calibration laboratories.

Calibration results

Reference dewpoint ¹⁾ °C	Observed dewpoint ¹⁾ °C	Difference °C	Permissible difference °C	Measurement uncertainty ²⁾ °C
-56.8	-56.8	0.0	± 1.8	± 0.6
-40.3	-40.1	0.2	± 1.8	± 0.5
-9.9	-9.7	0.2	± 1.8	± 0.5
3.8	3.8	0.0	± 1.8	± 0.5

1) Frostpoint in the range below 0 °C

2) 95 % confidence level, k=2 (repeatability of the calibrated instrument included)

Analog output calibration results

Output forced to mA	Observed output mA	Difference mA	Permissible difference mA
12.000000	12.001140	0.001144	±0.20

Equipment used in calibration

Type	Serial number	Calibration date	Certificate number
373 LX	10-0116	2018-03-23	5998MBW2018
34970A	17403	2018-06-06	1250-307094218
Keysight E3632A	16742	2017-02-17	1250-307082099

Ambient conditions / Humidity 30 ± 5%RH, Temperature 24 ± 2 °C, Pressure 1013 ± 20 hPa.

Technician

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DOC225880-C

Quick Guide

www.valsala.com

Vaisala DRYCAP® Dewpoint Transmitter DMT143**Model with ISO thread: Install with the sealing ring**

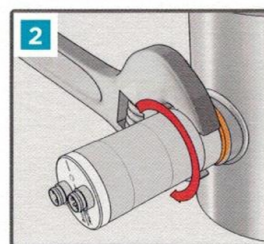
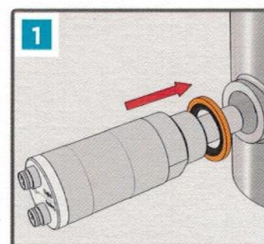
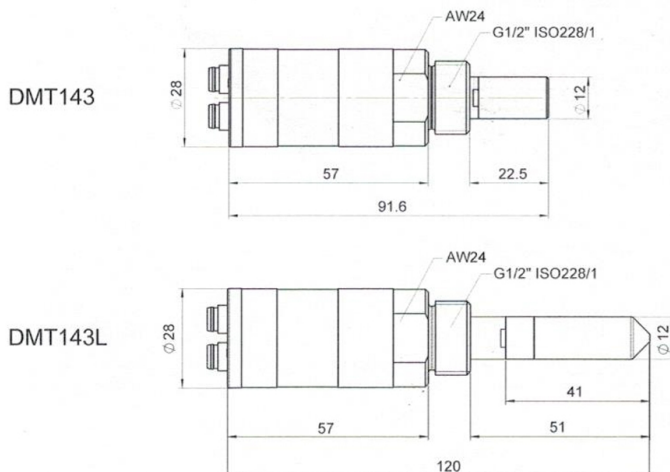
Modell mit ISO-Gewinde: Mit Dichtring montieren.

Modèle avec filetage ISO : Poser avec la rondelle d'étanchéité.

Modelo com rosca ISO: Instale com o lacre.

ISO ねじ付きのモデル: シーリングリングとともに取り付けます。

带 ISO 螺纹的型号: 使用密封圈进行安装。

**Model with NPT thread**

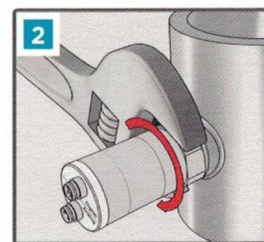
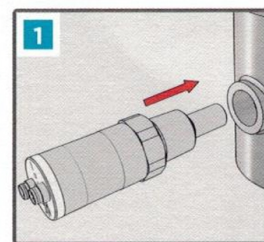
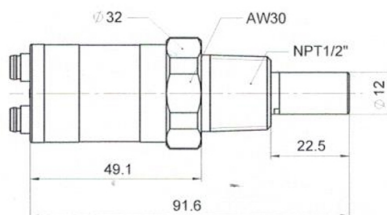
Modell mit NPT-Gewinde.

Modèle avec filetage NPT.

Modelo com rosca NPT.

NPT ねじ付きのモデル.

带 NPT 螺纹的型号.

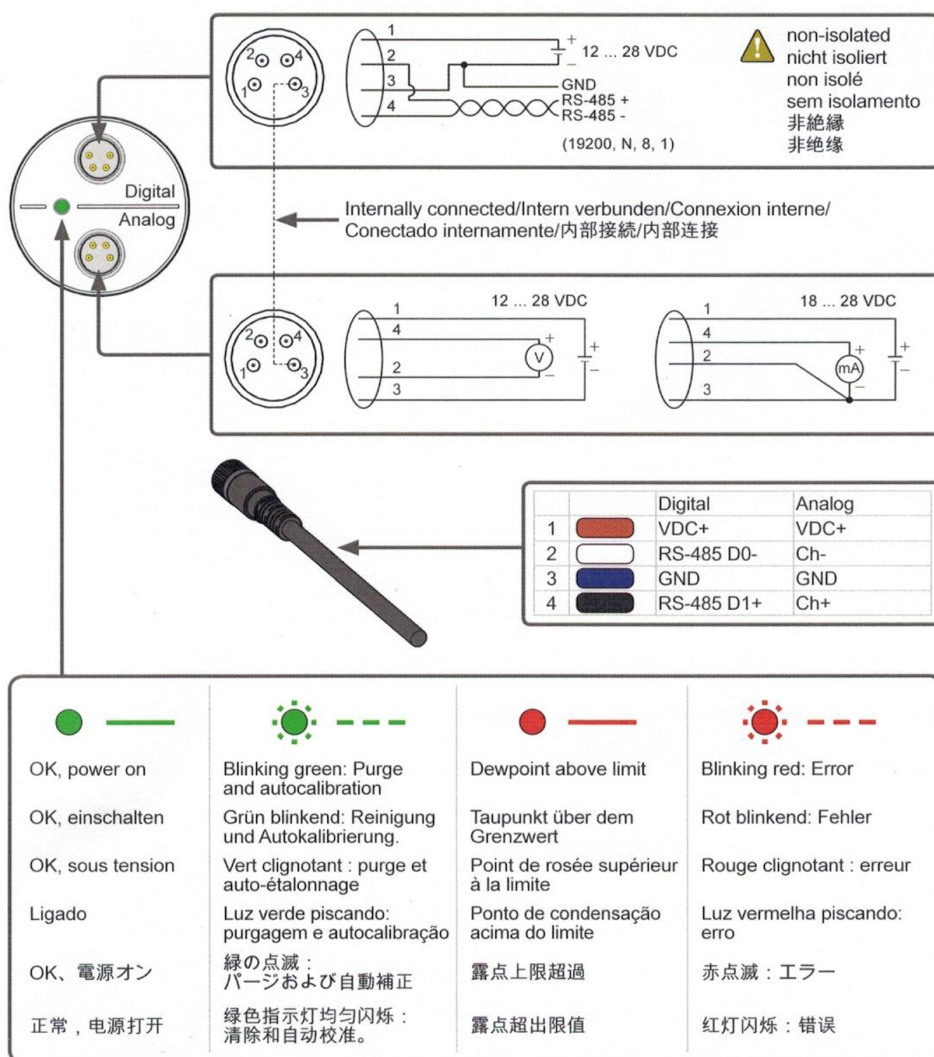


安徽摩菲自动化仪表

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Wiring

Verdrahtung / Câblage / Fiação / 配線 / 接线



www.vaisala.com/dmt143



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