

Instruction and Operation Manual

Desiccant cartridge for dew point test

A554 1205



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1 Safety instructions

Please check if this instruction manual matches with the product type.



WARNING!

Compressed air!

Any contact with quickly escaping air or bursting parts of the compressed air system can lead to serious injuries or even death!

- Do not exceed the maximum permitted pressure range (stated on the sensors label).
- Only use the pressure-tight installation material.
- Avoid getting hit by escaping air or bursting parts of the instrument.

Storage and transportation

- Make sure that the transportation / storage temperature of the device is between -30... +70°C.
- For transportation it is recommended to use the closing caps to protect the inlet and outlet of the device.

2 Application

This desiccant cartridge for the low dew point test is used to test dew point sensors used in the SUTO products such as S600, S601, S505, and equivalent products.

The unit under test should show low dew point values after 30 minutes latest. The value should be below -40°C Td and depends on the compressed air supplied.

3 Technical data

Desiccant material	Molecular-Sieves 4A
Fittings (inlet / outlet)	6 mm, quick connectors
Pressure rating	0 ... 1.5 MPa
Dimensions	199 x 86 mm
Weight	1050 g
Desiccant operation time	~30h @ 8 l/min flow

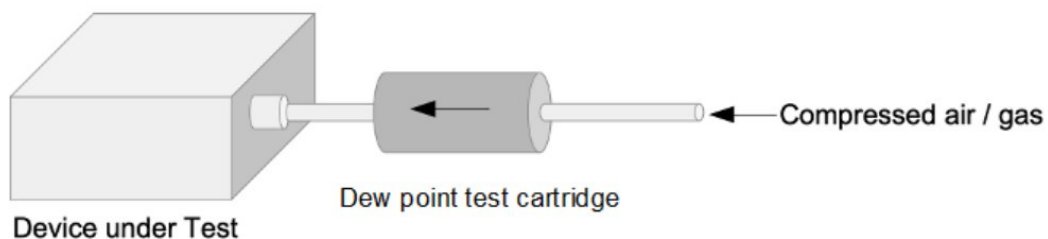
4 Installation

Before you install the sensor, make sure that all components listed below are included in your package.

Qty.	Description	Item number
1	Desiccant cartridge for low dew point generation	A554 1205
1	Teflon hose with metal sleeves / connectors	A554 3318

Steps:

1. Observe the flow direction sign printed on the desiccant cartridge label.
2. As shown in the illustration below, connect the inlet of the device under test to the outlet of the desiccant cartridge.
3. Connect the inlet of the filter with the compressed air supply.



5 Maintenance

- Always close inlet and outlet of the cartridge with the closing caps.
- If the cartridge cannot produce low dew point values any more, replace the molecular sieve and the filter pads inside the cartridge. SUTO offers a replacement kit (A554 1206). For more information, see the appendix.
- Do not use or leave the product in particularly dirty or dusty environment.

6 Disposal of waste



The used desiccant material does not belong to household waste!

The desiccant material, components, and packings must be disposed according to your local statutory requirements. The dispose can also be carried by the manufacturer of the product, for this please contact the manufacturer.

7 Appendix--Replacing the desiccant material

The A554 1206 is the replacement kit of the desiccant cartridge for the dew point test.

7.1 Deliverables



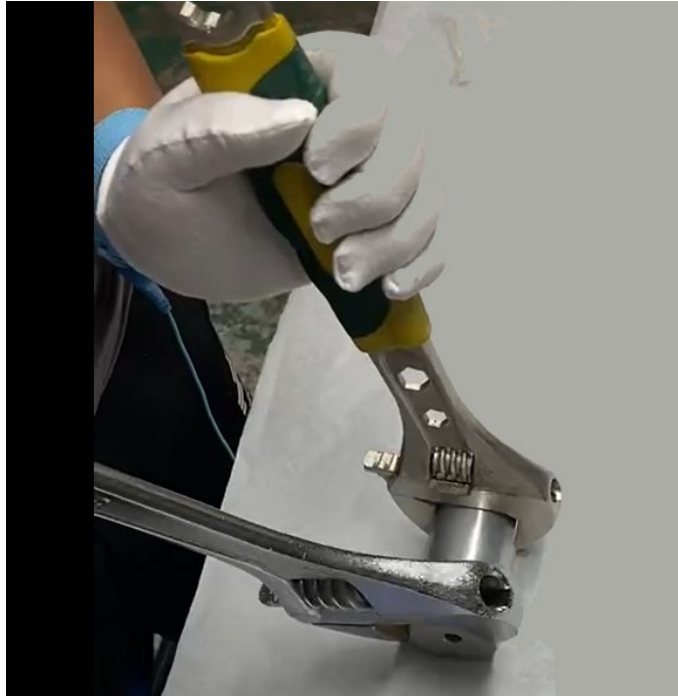
Filter pads Desiccant material Metal mesh

Qty.	Description	Item number
1	A pack of molecular sieves (desiccant material)	A554 1206
4	desiccant pads	
1	Metal mesh	

7.2 Procedures

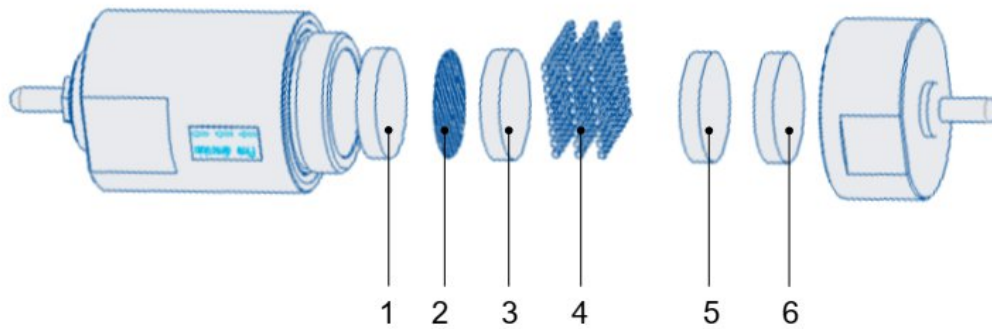
Replacing the desiccant material shall always be performed by technical engineers or staff with a similar domain knowledge.

1. Wear protective gloves to prevent contaminating the materials.
2. Unscrew the device using two spanners.



3. Take out the contents inside the device housing.
4. Clean the inner housing walls and the connectors. To clean the metal parts, please use 99.9% Ethanol. Never use other cleaners (e.g. WD-40) because they might introduce additional oil into the process.

- Put the contents in the replacement kit into the device housing in the order shown in the following figure.



Legend:



- Screw the device tightly using two spanners.
- Store the device in a clean environment to prevent external contaminations.

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