Special Documentation
Cleaning Set TRANSIC100LP

Cleaning set for TRANSIC100LP

Endress+Hauser
People for Process Automation

Described Product Cleaning Set for TRANSIC100LP

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1.1 Main operating information

DANGER
Risk of injury by laser radiation

TRANSIC100LP is a protection class 1 laser product.

Proper handling and operation of TRANSIC100LP is eye-safe, because laser radiation is collimated and maintained inside the probe. Reflections of the laser radiation which could cause eye injuries could occur when tools with reflecting surfaces (e.g. tools) are directly placed into the probe of the switched-on TRANSIC100LP.

- ▶ Put the device out of operation before any maintenance.
- ▶ When TRANSIC100LP is in operation: Do not use objects/tools with reflecting surfaces.

WARNING
Risk of burns when used in hot gases

- ▶ Make sure that all parts that come into contact with gas have cooled down before working on the device.

DANGER
Health risk through contaminated measuring device

It is possible that toxic residues remain on the measuring device after operation in acidic process gas

- ▶ Always wear the specified protective clothing

WARNING
Risk of fire through reaction with oxygen

Small amounts of grease and dust could cause reactions with oxygen.

- ▶ Keep the cleaning set free from grease and dust.

WARNING
Hazard of reactions of oxygen with cleaning agents

Cleaning agent residues could react with oxygen.

- ▶ Make sure to rinse the optical components thoroughly when using cleaning agents.
- ▶ Make sure that the cleaning agents used will not cause the swelling of the seals. Cleaning agent residues in the seals can react with oxygen.

CAUTION
The cleaning agent and dissolved substances can represent a hazard for the environment

▶ Observe the respective valid regulations for the disposal of hazardous substances.

1.2 Intended use

The TRANSIC100LP cleaning set is intended only for cleaning the optical component of the TRANSIC100LP product family.

1.3 Responsibility of user

▶ Read the Operating Instructions before using the TRANSIC100LP cleaning set.
▶ Observe all safety information.
▶ If there is anything you do not understand:
Please contact Endress+Hauser Customer Service.

All operators of the TRANSIC100LP cleaning should be specifically trained on this device, knowledgeable of relevant regulations and able to assess potential hazards related to this operation.

1.4 Product description

TRANSIC100LP cleaning set

The TRANSIC100LP cleaning set is a cleaning bottle for cleaning the optical components of the TRANSIC100LP measuring devices. The TRANSIC100LP cleaning set allows to improve the cleaning effect by mechanical movement on the optical surfaces.

The cleaning set consists of PE (LD polyethylene) and polycarbonate.

▶ Make sure that the cleaning agents are compatible with this material.

1.5 Operation

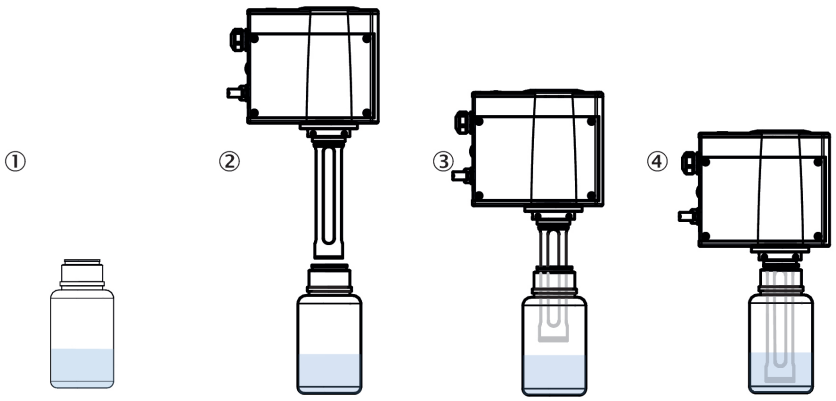
Cleaning the optical components of the TRANSIC100LP measuring devices

Cleaning the TRANSIC100LP optical components with air

1 Removing the filter: See the TRANSIC100LP Operating Instructions.
2 Remove loose particles from the mirror with a jet of clean air (instrument air or better quality).
When the optics have not become clean: Clean the optics with the cleaning set:

Cleaning the TRANSIC100LP optical components with the cleaning set

1 Fill a third of the bottle with a mixture of distilled water and soap.
2 Insert the TRANSIC100LP into the bottle. Make sure that the O-ring fits in the groove and seals the TRANSIC100LP against the bottle.
3 Let the cleaning liquid work in for a short time (maximum 15 minutes). An increased cleaning effect is achieved by shaking the bottle with the TRANSIC100LP.
4 Remove the TRANSIC100LP from the bottle after 15 minutes and dispose of the liquid. Observe the safety information in Section "Main operating information"
5 Fill a third of the bottle with distilled water and repeat point 2-4. This serves to remove cleaning liquid residues.
6 Dry the optical surfaces (leans and mirror) with compressed air (instrument air or better quality) until no more residues can be seen on the optics.
If the optics are then still contaminated, repeat point 2-5 with a solvent, such as ethanol or isopropanol.
7 Insert the filter again when the cleaned mirror surface is without stains, dirt or dust.



① Cleaning bottle with cleaning liquid
②,③ Inserting the measuring probe into the bottle
④ Measuring probe in cleaning set, sealed

CAUTION
Risk of destruction of optical surfaces

Optical surfaces can be destroyed by mechanical cleaning (e.g. wiping, scratching).

▶ Do not clean surfaces mechanically.

1.6 Specifications

Material: Polycarbonate, LD polyethylene

1.7 Shutting down

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