

Installation Instructions

DPD analyzer module CA75

Maintenance kit CAV750



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1 Overview

1.1 Product structure

CAV750-	Parameter			
	AK	DPD; chlorine, 0-10 mg/l, CA75		
		Annual kit, number of years		
		1	1x (for 1 year of maintenance)	
			Enclosed accessories	
			PA	Reagent hose
			PB	Pump head
			PC	Inlet and outlet hoses
CAV750-	xx	xx	xx	Complete order code

2 Intended use

- The parts of the kits must only be used as spare parts for CA75 analyzers. Any other use is not permitted!
- Only use original parts from Endress+Hauser.
- In the Device Viewer, check if the spare part is suitable for the device in question.

3 Personnel authorized to carry out conversion

- Installation, commissioning, operation and maintenance of the measuring system may be carried out only by specially trained technical personnel.
- The technical personnel must be authorized by the plant operator to perform the stated tasks.
- The electrical connection may only be established by an electrical technician.
- The technical personnel must have read and understood these Installation Instructions and must follow the instructions they contain.
- Measuring point faults may be repaired only by authorized and specially trained personnel.
- In the case of Ex-certified devices, the technical staff must also be trained in explosion protection.

 Repairs not described in the Operating Instructions provided must only be carried out directly at the manufacturer's site or by the service organization.

4 Safety instructions

WARNING

Risk of death due to electric shock!

- ▶ Perform work on the device with the utmost caution, especially when the device remains fully or partially powered on during maintenance tasks.
- ▶ The analyzer has no power switch. If necessary, use the system-side circuit breaker.
- ▶ Follow the instructions in the relevant chapters of this manual, as the procedure for electrical safety depends on the service kits used.
- ▶ All work must be carried out according to applicable safety standards.
- ▶ Follow the instructions in the Operating Instructions for the device.

CAUTION

Risk to health due to contact with reagents (chemicals) or process solutions!

- ▶ Wear chemical-resistant protective gloves, protective goggles and protective clothing,
- ▶ Immediately rinse splashes with plenty of water and a 1% sodium bicarbonate solution (NaHCO_3 , baking soda).
- ▶ In case of eye contact, rinse the affected area with plenty of water and then seek medical advice. Show the relevant safety data sheet to the physician.
- ▶ Note the nationally applicable workplace safety regulations for the work area when handling toxic or corrosive chemicals.

CAUTION

Electronic assemblies are sensitive to electrostatic discharges (ESD)!

- ▶ Before removing an assembly from the antistatic packaging, it must be discharged, e.g. at a protective ground. Continuous grounding, e.g. with an ESD wristband, is recommended.



Potential impact on the process

Before decommissioning an active device, the potential impact on the overall process must be taken into account! This applies in particular when using the switching contacts, the analog signal outputs or the communication interface of the associated measuring instrument to control process variables. Coordinate service tasks with the operator!



Contact Endress+Hauser Service if you have questions: www.addresses.endress.com

5 Scope of delivery

The scope of delivery depends on the order version:

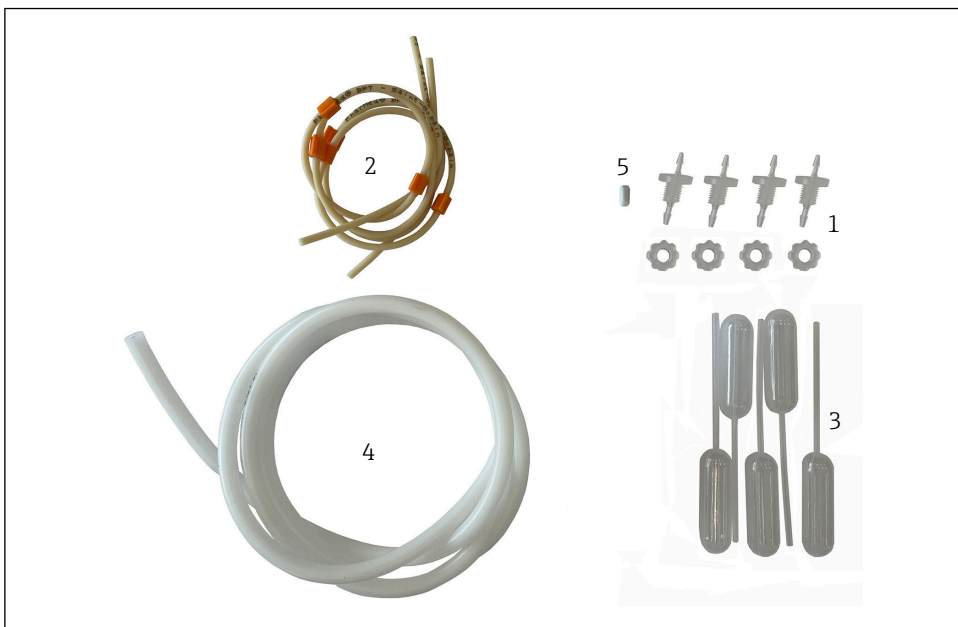
2-year maintenance kits contain double the quantity of parts compared with the relevant 1-year kits.

3-year maintenance kits contain triple the quantity of parts compared with the relevant 1-year kits.

5.1 CAV750-AK1 = DPD; chlorine, 0-10 mg/l, CA75, for 1 year

The kit contains the following parts →  1,  5:

1	4 x	Bulkhead connector ID 1.0 - 1.6 mm	4	1 m	Hose, C-Flex, OD 6.4, ID 3.2 mm
2	2 x	Hose, PharMed BPT 3-stop, ID 0.89, W 0.85 mm	5	1 x	Magnetic stirring rod, 3x8 mm PTFE
3	5 x	Pasteur-Plast pipette, 3.0 ml, non-sterile	1 x		Kit instructions



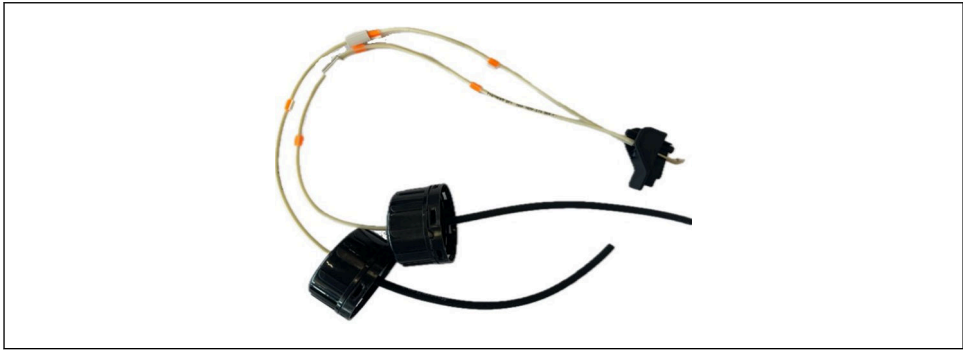
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 1 Kit CAV750-AK1 = DPD; chlorine, 0-10 mg/l, CA75, for 1 year

5.2 Additional items supplied with the maintenance kit: option PA = reagent hose

The kit contains the following parts →  2,  6:

1 m Reagent hose



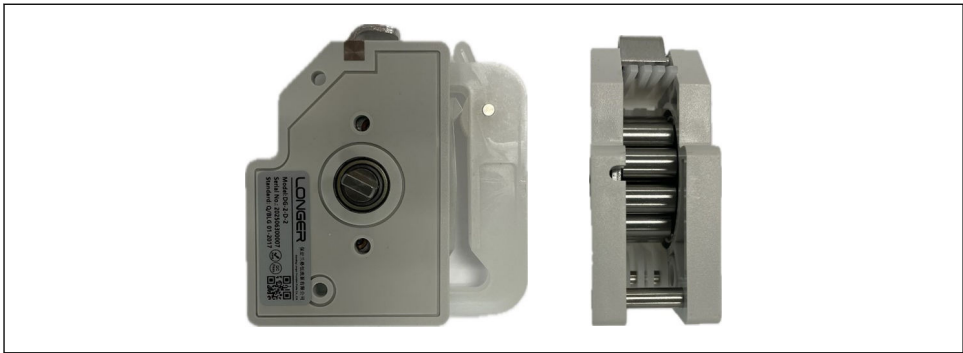
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 2 Kit CAV750-AK1, option PA = reagent hose

5.3 Additional items supplied with the maintenance kit: option PB = pump head

The kit contains the following parts →  3,  6:

1 x Pump head



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 3 Kit CAV750-AK1, option PB = pump head

5.4 Additional items supplied with the maintenance kit: option PC = supply and outflow hoses

The kit contains the following parts →  4,  7:

5 m Outflow hose

2 m Supply hose



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 4 Kit CAV750-AK1, option PC = supply and outflow hoses

6 Notes on maintenance work

6.1 Description of maintenance measures

 The maintenance measures are described in the operating instructions for the relevant analyzer. Please carry out the maintenance measures as prescribed in those instructions.

Maintenance work on the analyzer may be carried out by Endress+Hauser service personnel or by a trained user.

For optimum maintenance of the analyzer, Endress+Hauser recommends signing up for a maintenance contract.

Further information about maintenance contracts is available from the Endress+Hauser sales organization.

6.2 Maintenance intervals

The various maintenance intervals are also explained in the Operating Instructions.

Unauthorized extension of these intervals can lead to measurement errors and voiding of the warranty.

The maintenance intervals may need to be reduced under extreme measuring conditions (cold, heat, dirt, aggressive medium, etc.).

6.3 Documentation of maintenance

All maintenance and repair work must be documented.

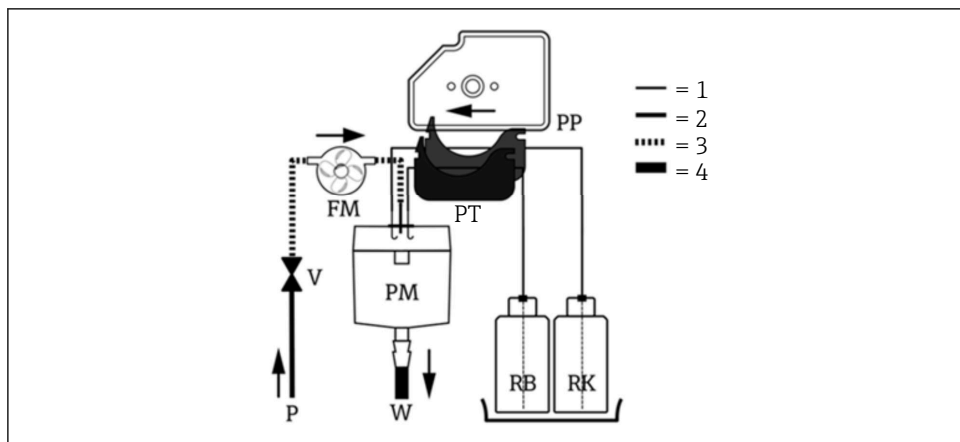
A maintenance booklet is enclosed with each analyzer for this purpose. Please document all work carried out on the analyzer in this booklet.

A new maintenance booklet is available via the following link →

<https://sft-p.cdn.endress.com/>. To download it, you must enter the order code or the serial number of the analyzer used.

7 Use of maintenance parts

The following figure shows the installation points of maintenance parts for DPD devices. The article numbers and order options refer to the information in chapter 2.



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5 Installation points of maintenance parts, DPD devices

1 Hose, PharMed BPT 3-stop, ID 0.89, W 0.85 mm

2 PUN-H ID 4 mm

3 Hose, C-Flex, OD 6.4, ID 3.2 mm

4 PVC ID 13 mm

FM Flow sensor

PM Photometer

RK Reagent: indicator

RB Reagent: buffer

PT Pump clamp plate

PP Peristaltic pump

P Process sample

W Waste

V Sample valve

8 Additional documentation

Detailed information on the devices shown here can be found in the Operating Instructions for each device and in the other documentation, available at:

- Product page: <https://www.endress.com/>
- Spare parts finder: <https://sft-p.cdn.endress.com/>
- Device Viewer: www.endress.com/device-viewer
- Smartphone/tablet: Endress+Hauser Operations app

9 Disposal

 If required by the Directive 2012/19/EU on waste electrical and electronic equipment (WEEE), the product is marked with the depicted symbol in order to minimize the disposal of WEEE as unsorted municipal waste. Do not dispose of products bearing this marking as unsorted municipal waste. Instead, return them to the manufacturer for disposal under the applicable conditions.



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