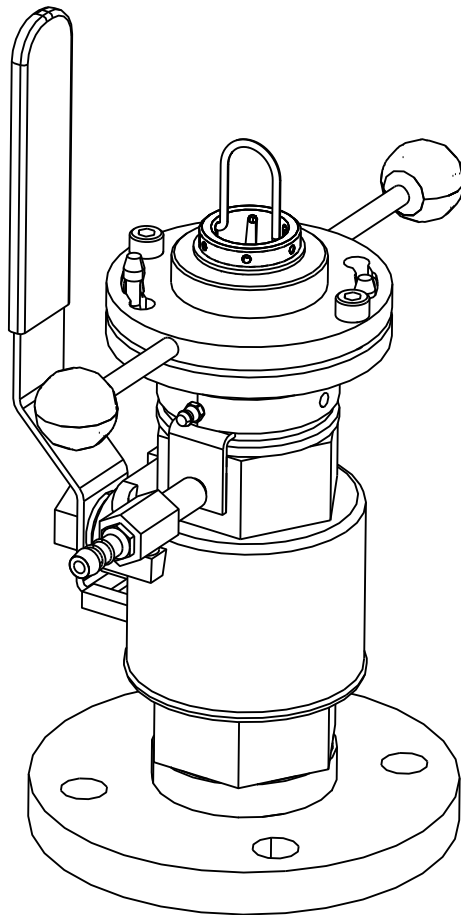


Operating Instructions

OUA451

Retractable process assembly



Document information

Safety information

The structure, signal words and color coding applied to safety information comply with the requirements of ANSI Z535.6 ("Product safety information in product manuals, instructions and other collateral materials").

Structure of information	Meaning
 DANGER Cause (/Consequences) Possible consequences if ignored ► Preventive measures	This symbol alerts you to a dangerous situation. If you do not avoid this dangerous situation, it will result in death or serious injury.
 WARNING Cause (/Consequences) Possible consequences if ignored ► Preventive measures	This symbol alerts you to a dangerous situation. If you do not avoid the dangerous situation, it may result in death or serious injury.
 CAUTION Cause (/Consequences) Possible consequences if ignored ► Preventive measures	This symbol alerts you to a dangerous situation. If you do not avoid the dangerous situation, it may result in minor or more serious injuries.
 NOTICE Cause/situation Possible consequences if ignored ► Action/note	This symbol alerts you to situations which may result in damage to property.

Symbols used



additional information, tip



permitted or recommended



forbidden or not recommended

Table of contents

1	Basic safety instructions	4
1.1	Personnel requirements	4
1.2	Designated use	4
1.3	Workplace safety	4
1.4	Operational safety	4
1.5	Product safety	4
2	Incoming acceptance and product identification	5
2.1	Incoming acceptance	5
2.2	Product identification	5
2.3	Scope of delivery	5
3	Installation	6
3.1	Installation conditions	6
3.2	Installation instructions	10
3.3	Post-installation check	14
4	Operation	15
4.1	Initial commissioning	15
4.2	Operating elements	15
4.3	Assembly operation	16
5	Maintenance	17
5.1	Cleaning the assembly	17
5.2	Cleaning the sensor	17
5.3	Cleaning agent	17
5.4	Replacing seals	18
6	Troubleshooting	20
6.1	Replacing damaged components	20
6.2	Spare parts kits	21
6.3	Return	23
6.4	Disposal	23
7	Accessories	24
7.1	Accessory kits	24
7.2	Sensors	24
7.3	Welding socket	25
8	Technical data	27
8.1	Environment	27
8.2	Process	27
8.3	Mechanical construction	28
	Index	30

1 Basic safety instructions

1.1 Personnel requirements

- ▶ 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 carry out the specified activities.
- ▶ The electrical connection may be performed only by an electrical technician.
- ▶ The technical personnel must have read and understood these Operating Instructions and must follow the instructions contained therein.
- ▶ Measuring point faults may be rectified only by authorized and specially trained personnel.

 Repairs not described in the Operating Instructions provided may only be carried out directly by the manufacturer or by the service organization.

1.2 Designated use

The manually operated OUA451 retractable assembly is designed for the installation of turbidity sensors in tanks and pipelines.

Its mechanical construction means that it can be operated in pressurized systems (see Technical data).

Use of the device for any purpose other than that described, poses a threat to the safety of people and of the entire measuring system and is therefore not permitted.

The manufacturer is not liable for damage resulting from improper or non-designated use.

1.3 Workplace safety

As the user, you are responsible for complying with the following safety conditions:

- Regulations for explosion protection (Ex devices only)
- Installation guidelines
- Local standards and regulations

1.4 Operational safety

- ▶ Before commissioning the entire measuring point, verify that all connections are correct. Ensure that electrical cables and hose connections are not damaged.
- ▶ Do not operate damaged products, and safeguard them to ensure that they are not operated inadvertently. Mark the damaged product as defective.
- ▶ If faults cannot be rectified, the products must be taken out of service and secured against unintentional commissioning.

1.5 Product safety

The product is designed to meet state-of-the-art safety requirements, has been tested and left the factory in a condition in which it is safe to operate.

The relevant regulations and European standards have been observed.

2 Incoming acceptance and product identification

2.1 Incoming acceptance

- Verify that the packaging is not damaged.
- Notify your supplier of any damage to the packaging. Keep the damaged packaging until the matter has been settled.
- Verify that the contents are not damaged.
- Notify your supplier of any damage to the delivery contents. Hold on to the damaged goods until the matter has been settled.
- Check the delivery for completeness. Check it against the delivery papers and your order.
- Pack the product for storage and transportation in such a way that it is protected against impact and moisture. The original packaging offers the best protection. Furthermore, the permitted ambient conditions must also be observed (see "Technical data").
- If you have any questions, please contact your supplier or your local sales center.

2.2 Product identification

2.2.1 Nameplate

You can find the following information on the nameplate:

- Manufacturer details
- Order code
- Extended order code
- Serial number
- Operating conditions
- Safety information symbols

Compare the order code on the nameplate with your order.

2.2.2 Product identification

 To establish your device version, enter the order code from the nameplate into the search field at the following address:
www.products.endress.com/order-ident

2.3 Scope of delivery

The scope of delivery comprises:

- Ordered version of the assembly
- Operating Instructions in English

If you have any questions, please contact your supplier or your local sales center.

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/805314103121011222>