1. General and Safety-Related Information on this Operating Manual

This operating manual describes the safe and proper handling of the product, and form of the product. It should be kept in close proximity to the place of use, accessible for staff members at any time.

1.1 Symbols Used

1.2 Qualified Persons

Qualified persons are persons that are familiar with the maintenance of the device and with the work processes. They are familiar with this operating manual and are trained according to the safe work processes described in this documentation.

Qualified persons that meet at least one of the following three requirements:

- They know the safety and technology knowledge and have received a training according to the safe work processes described in this documentation.
- They are commissioning specialists or are employed in the maintenance of the device and have received training that qualifies them for the repair of the system. They are familiar with the work processes and are authorized to put the device into operation, into ground, to, and mark circuits according to the device safety guidelines.

All work with this product must be carried out by qualified persons!

1.3 Intended Use

This device must be used to convert the physical quantity of pressure into an electric signal.

The pressure transducers are exclusively suited for measuring the absolute, gage and absolute pressure.

The transducer switches are exclusively suited for filling-level monitoring and the oil technology.

This operating manual applies to devices with explosion protection approval. If the device is intended for use in a different area, a device with explosion protection approval specific to that area must be used.

The device is an explosion-protection approval if this was notified in the order and acknowledged by the customer in our order acknowledgment. In addition, the manufacturing label indicates the explosion protection approval.

The user must check whether the device is suited for the intended use. In order to avoid accidents, the device switches must be used in conformity with the intended use.

1.4 Limitation of Liability and Warranty

Failure to observe the instructions or technical regulations, intended use and not intention, and disregarding of all warnings may result in the invalidation of warranty and liability claims.

1.5 Safe Handling

- NOTE - The device must be handled in both the packed and unpacked condition.
- NOTE - The device must not be altered or modified in any way.
- NOTE - Do not drop or throw the device.
- NOTE - The device must be protected against mechanical damage (over 5 mm) and complete coverage with dust must be prevented!
- NOTE - The device must be protected against any deterioration or wear.
- NOTE - In the event of a failure, hazardous residues may originate from the device if it is not properly disposed of.

1.6 Safety-Related Maximum Values

DANGER
- Explosion hazard if the operating pressure is not observed.
- Explosion hazard if the maximum temperature is exceeded.
- Explosion hazard if the explosion protection approval is not observed.
- Explosion hazard if the explosion protection classes of the component are not observed.
- Explosion hazard if the device is used in an explosive atmosphere.
- Explosion hazard if the cable is used in an explosive atmosphere.
- Explosion hazard if the protective caps are not used.
- Explosion hazard if the device is used in an explosive atmosphere.

The application must be correspondingly permitted by the country-specific installation standards.

The O-ring is undamaged and seated in the designated cable connector.

The entire system must meet the requirements of BAM for the intended use.

The device must be used only in accordance with its intended use.

Type and source of danger - Defines adequate service intervals

- Type of source of danger - Measures to avoid the danger

1.1 Symbols Used

- Type and source of danger - Measures to avoid the danger

WARNING

- DANGER

- CAUTION

- NOTE

NOTE - This device is intended for use in zone 1 and higher. Hazardous gas and vapor may be present in these areas.

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NOTE - The entire system must meet the requirements of BAM for the intended use.

NOTE - The device must be handled in both the packed and unpacked condition.

NOTE - The device must not be altered or modified in any way.

NOTE - Do not drop or throw the device.

NOTE - The device must be protected against mechanical damage (over 5 mm) and complete coverage with dust must be prevented!

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NOTE - In the event of a failure, hazardous residues may originate from the device if it is not properly disposed of.

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NOTE - Safe handling - Measures to avoid the danger

WARNING

- DANGER

- CAUTION

- NOTE
NOTE – Wrong cleaning or improper touch may cause an irreparable damage on the diaphragm. Therefore, never use pointed objects or pressed air for cleaning the diaphragm.

7. Troubleshooting

NOTE – Wrong cleaning or improper touch may cause an irreparable damage on the diaphragm. Therefore, never use pointed objects or pressed air for cleaning the diaphragm.

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- A failure of the diaphragm or membrane may cause a blowout, which can also lead to an explosion hazard.

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In case of malfunction, it must be checked whether the device has been correctly installed mechanically and electrically. Use the following table to analyze the cause and resolve the malfunction, if possible.

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