

## 2 Safety instructions

### 2.1 Important advice

Operation of the device is only permitted if:

- the product is used under the conditions described in the installation- and operation instruction, the intended application according to the type plate and the intended use. In case of unauthorized modifications done by the user Bühler Technologies GmbH can not be held responsible for any damage,
- when complying with the specifications and markings on the nameplates.
- the performance limits given in the datasheets and in the installation- and operation instruction are obeyed,
- monitoring devices and safety devices are installed properly,
- service and repair is carried out by Bühler Technologies GmbH,
- only original spare parts are used.

This manual is part of the equipment. The manufacturer keeps the right to modify specifications without advanced notice. Keep this manual for later use.

### Signal words for warnings

|                |                                                                                                                                                     |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DANGER</b>  | Signal word for an imminent danger with high risk, resulting in severe injuries or death if not avoided.                                            |
| <b>WARNING</b> | Signal word for a hazardous situation with medium risk, possibly resulting in severe injuries or death if not avoided.                              |
| <b>CAUTION</b> | Signal word for a hazardous situation with low risk, resulting in damaged to the device or the property or minor or medium injuries if not avoided. |
| <b>NOTICE</b>  | Signal word for important information to the product.                                                                                               |

### Warning signs

These instructions include the following warnings:

|                                                                                     |                                   |                                                                                     |                            |
|-------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------|----------------------------|
|  | General warning sign              |  | General mandatory sign     |
|  | Voltage warning                   |  | Unplug from mains          |
|  | Warning not to inhale toxic gases |  | Wear respiratory equipment |
|  | Warning of corrosive substances   |  | Wear a safety mask         |
|  | Warning of explosion hazard       |  | Wear gloves                |
|  | Warning of hot surfaces           |                                                                                     |                            |

### 2.2 General indication of risk

The equipment must be installed by a professional familiar with the safety requirements and risks.

Be sure to observe the safety regulations and generally applicable rules of technology relevant for the installation site. Prevent malfunctions and avoid personal injuries and property damage.

### The operator of the system must ensure:

- Safety notices and operating instructions are available and observed,
- The respective national accident prevention regulations are observed,
- The permissible data and operational conditions are maintained,
- Safety guards are used and mandatory maintenance is performed,
- Legal regulations are observed during disposal,
- compliance with national installation regulations.

### Maintenance, Repair

Please note during maintenance and repairs:

- Repairs to the unit must be performed by Bühler authorised personnel.
- Only perform conversion-, maintenance or installation work described in these operating and installation instructions.
- Always use genuine spare parts.
- Do not install damaged or defective spare part. If necessary, visually inspect prior to installation to determine any obvious damage to the spare parts.

Always observe the applicable safety and operating regulations in the respective country of use when performing any type of maintenance.

#### DANGER

##### Electrical voltage

Electrocution hazard.



- Disconnect the device from power supply.
- Make sure that the equipment cannot be reconnected to mains unintentionally.
- The device must be opened by trained staff only.
- Regard correct mains voltage.



#### DANGER

##### Toxic, corrosive gases

The measuring gas led through the equipment can be hazardous when breathing or touching it.



- Check tightness of the measuring system before putting it into operation.
- Take care that harmful gases are exhausted to a safe place.
- Before maintenance turn off the gas supply and make sure that it cannot be turned on unintentionally.
- Protect yourself during maintenance against toxic / corrosive gases. Use suitable protective equipment.



#### DANGER

##### Potentially explosive atmosphere

Explosion hazard if used in hazardous areas.

The device is not suitable for operation in hazardous areas with potentially explosive atmospheres.

Do not expose the device to combustible or explosive gas mixtures.



#### CAUTION

##### Tipping hazard

Equipment damage.

Secure the device against tipping, sliding and falling.



#### CAUTION

##### Hot surface

Burning hazard

According to the product type and operation conditions, the temperature of the housing may exceed 50 °C during operation.

Depending on the conditions at the installation site it may be necessary to provide these areas with appropriate warning signs.

