**Proper Environment**
- Protection class: IP 65 (only with sensor cable connected)
- Lenses are excluded from protection class. Contamination of the lenses leads to impairment or failure of the function.
- Operating temperature: 0 ... 50 °C (+32 up to +122 °F)
- Storage temperature: -20 ... 70 °C (+4 up to +158 °F)
- Ambient pressure: Atmospheric pressure

**Proper Use**
The optoNCDT 1700 is designed for use in industrial areas. It is used for measuring displacement, distance, position and acceleration for in process quality control and dimensional testing. The sensor may only be operated within the limits specified in the technical data, see instruction manual, Chap. 3-4. The sensor should only be used in such a way that in case of malfunctions or failure personal or machinery is not endangered. Additional precautions for safety and damage prevention must be taken for safety-related applications.

**Warnings**
Connect the power supply in accordance to the safety regulations for electrical equipment. The power supply must be reduced to the specified values.
- Danger of injury, damage to or destruction of the sensor
- Avoid continuous exposure to spray on the sensor. Avoid exposure to aggressive materials (washing agent, penetrating liquids or similar) on the sensor. Mount the sensor only to the existing holes on a flat surface. Clamps of any kind are not permitted.
- Avoid shock and vibration to the sensor. Protect sensor cable against damage.
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Quick Guide

Components, Typical Application with Analog Output

Switching on the Power Supply Respectively PC

Switching Outputs

Switching Outputs

Switching Outputs

Switching Outputs

Switching Outputs