The higher the water content of the oil, the lower the service life of the gear unit.

In order to prevent the water in the oil from damaging the gear unit, either the entire oil must be changed, or an off-loop filter which can absorb water is installed.

To ensure high operational reliability and to avoid expensive and complicated cleaning of the gear unit or analysis of the oil, an EE381 water-in-oil measurement transducer can be used.

The EE381 helps maintenance teams to prolong the service life of the wind turbine, reduces unscheduled repairs and simplifies the maintenance process.

All lubricants absorb water. Ester-based lubricants and mineral oils with wear prevention additives are particularly susceptible to this.

**Application conditions**

- Measurement range: -40...60 °C / 0..1 aw / 0...200 ppm
- Operating temperature: -40..0.60 ℃
- Accuracy: ± 0.05 aw

**E+E Product**

EE381

Compact measuring transducer for humidity in oil

The compact design is ideally suited for direct mounting on piping.