

CONDENSATION MONITORING OF WIND ENERGY SYSTEMS



As well as this, condensation sensors are installed inside the liquid-cooled power drive.



Wind turbine structure

Reliability, long-term stability and ultimate measuring accuracy are the essential features of our sensors.

The operation of modern wind energy systems requires extensive monitoring of the operating status with the aid of reliable sensors. Because of their exposed position and lack of accessibility, reliability is highly important and breakdowns must be avoided.

A quality assurance system certified according to ISO/TS 16949:2009 and the extensive knowledge of our experts guarantee the reliability of our sensors.

The E+E EE46 condensation monitor is mounted on the cooling inlet pipe of the liquid-cooled high power converter. In addition, a condensation monitor is mounted on the inside of the housing wall in order to detect hazardous condensation on the high power converter and the switching equipment. Here, the switching point is set to 85% relative humidity.

• Application conditions

Measurement range:	50...90 % rel. hum.
Output:	Relay
Operating temperature:	-20...00.50 °C
Accuracy:	± 5 % rel. hum.

• E+E Product



EE46
Condensation monitor

For monitoring the formation of condensation on ceilings with integrated cooling, pipes or critical points in HVAC systems.