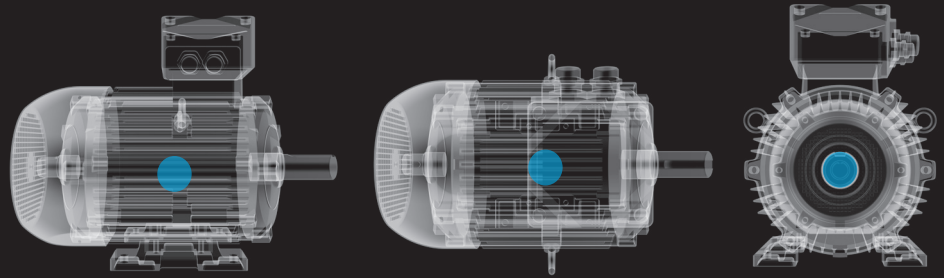
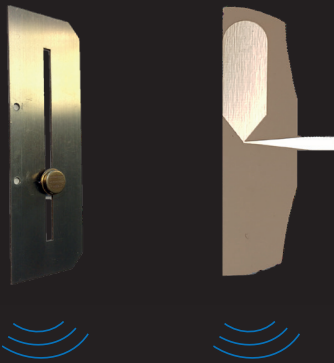


● control the heat



Monopolsensor-antenna

Dipol-sensor-antenna



Wireless measuring

Measuring without power supply at the sensor

Insensitive to electric fields

SAW

SAW radio sensors - functionality:

With the SAW radio sensor technology, special sensor units are read wirelessly by means of a radar pulse, and the temperature at the measurement location is determined from the response signal. The sensor unit requires no electronics and is therefore completely passive. It consists of a tiny sensor in a sealed housing and an antenna adapted to the application requirements. The sensor communicates wirelessly with the reader-antenna and can be evaluated via the receiver unit.

Benefits:

- Direct measuring & monitoring of rotor and shaft temperature possible
- Measuring range between -40°C and +300°C
- Suitable for metallic environments
- No „blind spots“ due to broadband measuring
- Detuning of the sensor-antenna oscillating circuit does not influence measured values
- No damage to ISM bands with multiple (up to 6) sensors (globally applicable)
- Different sensor shapes
- Individual antennas

