



Radar Sensors

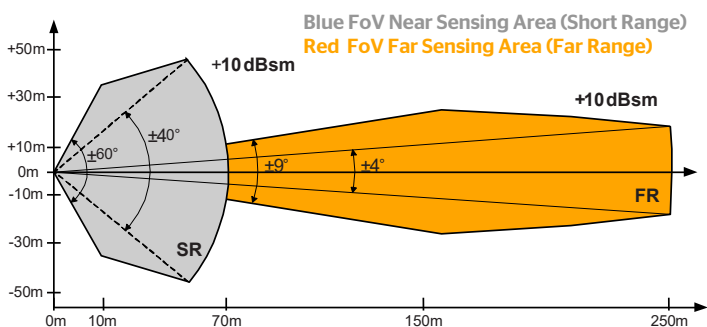
Safe, Reliable, Robust

The ARS408-21 radar sensor provides excellent measuring performance and a high degree of operational safety. It is fast, safe, reliable, cost-effective and produces real-time distance to object scanning. This radar has a built-in fail-safe that can detect a possible risk of collision (dependent on speed of vehicle) and display it automatically. It works in all weather conditions with a low-performance loss in extreme conditions.

Applications

- › Anti-collision protection for vehicles of every description (particularly autonomous)
- › Classification of objects (> 120 single cluster)
- › Object detection, e.g. in confusing or unclear areas
- › General distance and speed monitoring
- › Road traffic technology e.g. parking area surveillance

ARS 408-21 Sensor Ranges



Advantages

- › **All-weather capability**
The ARS 408 is applicable at all weather conditions.
- › **Cost-efficient**
By leveraging passenger car technology and volumes, the costs are kept low.
- › **Extended range possible**
With a special software version, the ARS 408 is able to extend his measurement range up to 1,200 meters! (For objects with high RCS and a free field of view).
- › **Reliable**
The ARS 408-21 radar sensor is fail-safe and able to recognize troubles of the sensor and sensor environment and display it automatically.
- › **Robust and small design**
By using a radar technology with less complex measuring principle and the development and mass production in automotive supply industry, the design is kept very robust and very small.