



Key Word	Specification
Temperature	> 150°C
Accuracy	+ -1 K
Resolution/Sensitivity	< 0,05K
Range	> 0,5m
Speed/Rpm	> 50m/s; > 10.000/min
Explosion protection	no energy storage

Interested party, company, contact person, contact data:

Brief description of the application:

Questionnaire for SAW-Projects:

	Question	Answer
Settings		
1	Which temperatures should be measured?	
2	Ambient temperature deviating from this (also for the transmitter and receiver)?	
3	If not atmospheric pressure: Which pressure conditions prevail (e.g. vacuum)?	
4	What are the available space conditions? Installation space? Space for antennas? If necessary, enclose a sketch with dimensions.	
Economy		
5	Is a solution required for a series product or for a one-time application (e.g. in a production plant)?	

6	How high are the expected quantities?	
7	What can a series solution cost?	
Wireless Transmission		
8	Why is a wireless sensor necessary?	
9	Through which medium should the transmission pass?	
10	What distance must be covered wirelessly? (sensor antenna to receiver antenna)	
11	Are there metallic walls near the sensor or receiving antenna that could shield or reflect the electromagnetic waves? Attach a sketch if necessary.	
12	Are there adjacent interferers in the 2.4GHz range?	
Motions		
13	What is the maximum relative speed between sensor and receiver?	
14	Do metallic obstacles enter the line of sight during movement?	
15	Rotating sensor: How high is the speed?	
Other		
16	Documentation of measurement results? Which (data) interface is required?	
17	Is an approved system necessary? Which approvals (also CE, ATEX, ...)? In which countries should the system be used?	
18	Which measuring frequency is necessary for measurement?	
19	How many measuring points should be realized within wireless range?	
20	Special requirements (e.g. operation in vacuum, external vibrations, ...)	
21	What are the next steps?	