

Please answer the following questions as completely as possible:

1. Pls. describe / make a sketch of your application

a) Industry / Customer

b) Factory / Plant

c) Sensor task

2. Description of the object to be detected:

a) Kind / Material of the object?

b) Shape / Size of the object (min./max.) ?

c) Temperature min. max. °C ?

d) Object surface
(Colour / rough or shiny)

3. How fast does the object move?

approx. m/s

4. How large does the detection distance need to be? (the distance you want to measure)?

approx. min. max. mm

5. Which is the requested accuracy?

approx. mm

6. How long will the object stay in the detection area of the sensor?

object is there for approx. sec. than no object for approx. sec..

always

7. Description of the object background in the sensor's field of view:

a) Kind /material of the background?

b) Shape/ size of the background (min./max.)?

c) Temperature min. max. °C ?

d) Background surface (colour / rough or shiny)?

e) Distance between background and object to be detected approx.

min. max. mm?

f) Is there a great difference between background and object to be detected, as to color and ability to reflect?

Yes No

8. Which distance do you need between sensor and object?

approx. min. mm max. mm

9. Which is the expected temperature at the sensor installation position?

approx. min. °C max. °C

10. Do we have to expect interferences (vapour, water etc.) between sensor and object?

no sometimes, which? always, which?

11. Environment at the sensor mounting location:

Pressure? humidity? Chemical substances
 Magnetic fields? Metal in the immediate environment?

12. Do we have to expect soiling / dirt at the sensor?

no Yes, which?

13. Is it possible to use scavenging air or cooling water?

Air

Water

no

14. Which electrical version do you need?

a) supply voltage

V AC V DC

b) Output signal

0/4-20 mA

0-10 V

Digital

c) Connection type

connector

cabel

Length:

15. Any prior sensor that has been tested or used in this application?

No

Yes, Type of sensors tested, problems?

Thank you for taking your time.

Your details?

Company:

Street, Number:

ZIP code, city

Phone:

Email:

Contact person: