Proxitron
SENSORS MADE IN GERMANY

MANGLAM
E L E C T R I C A L S
Components Distribution

HMD

Please answer the following questions as completely as possible:

1. Please write brief description of your application :

Industry / Customer

Factory / Plant

Sensor task

2. Description of the object to be detected :

a) Material type

b) Size of the object

c) Object surface (shiny, rough, oxide, etc)
Emissivity, if known

d) Temperature range

Min. [   ] °C   Max. [   ]

3. What is the distance between object and sensor ?

approx min. [   ] mm   approx max. [   ] mm

4. Which is the expected ambient temperature at the sensor mounting location ?

approx [   ] °C

5. Do we have to expect interferences between sensor and object ?

☐ yes,   what kind?   ☐ no

☐ vapour / steam
☐ molten splash
☐ fire ash
☐ heat radiation
☐ sparks
☐ flame protection
☐ dirt / dust

6. How fast does the object move?

approx [   ] m/s

7. How large does the detection area need to be? (the area where the object can be found)

approx [   ] mm

8. Maximum temperature in the detection area with no hot object inside?

approx [   ] °C

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

☐ yes,   what kind?   ☐ no

[   ]

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

☐ air   ☐ water   ☐ no

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

a) object is there for approx [   ] sec., then no object for approx. [   ] sec.

b) always

12. Which electrical version do you need ?

a) supply voltage

[   ] V AC   [   ] V DC

b) switching behaviour

☐ PNP
☐ NPN
☐ Normally open
☐ Normally close
☐ Relais

c) connection type

☐ connector
☐ cable

length [   ]

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

☐ yes, type of sensor and problems (if any)   ☐ no

Thank you for your valuable time

Your details?

a) Company

b) Address

c) Contact person

d) Phone

e) E-mail