MADE IN FRANCE

TECHNICAL DATA FERSIL

FERSIL

GAPS
Opening and closing gap filler authorization
STI PMR Standard

GAPS system, Railway platform station presence and level monitoring system SIL2 Interface definition

GAPS
INTERFACE DEFINITION

Clearsy System Engineering

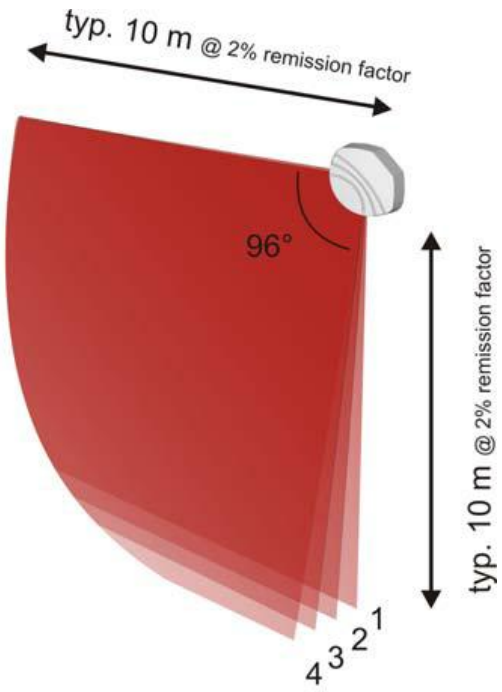
CLEARSY
SYSTEM ENGINEERING

GAPS

SIL2 Certified by CERTIFER EN50129:2001

LASER SENSOR DESCRIPTION

- Laser Class 1, 905nm, power max 75W, power supply 24V (supply by CPU box)
- Protection IP65
- Vibrations : complaint with l'IEC60068-2-6
- Scan on 4 different plans



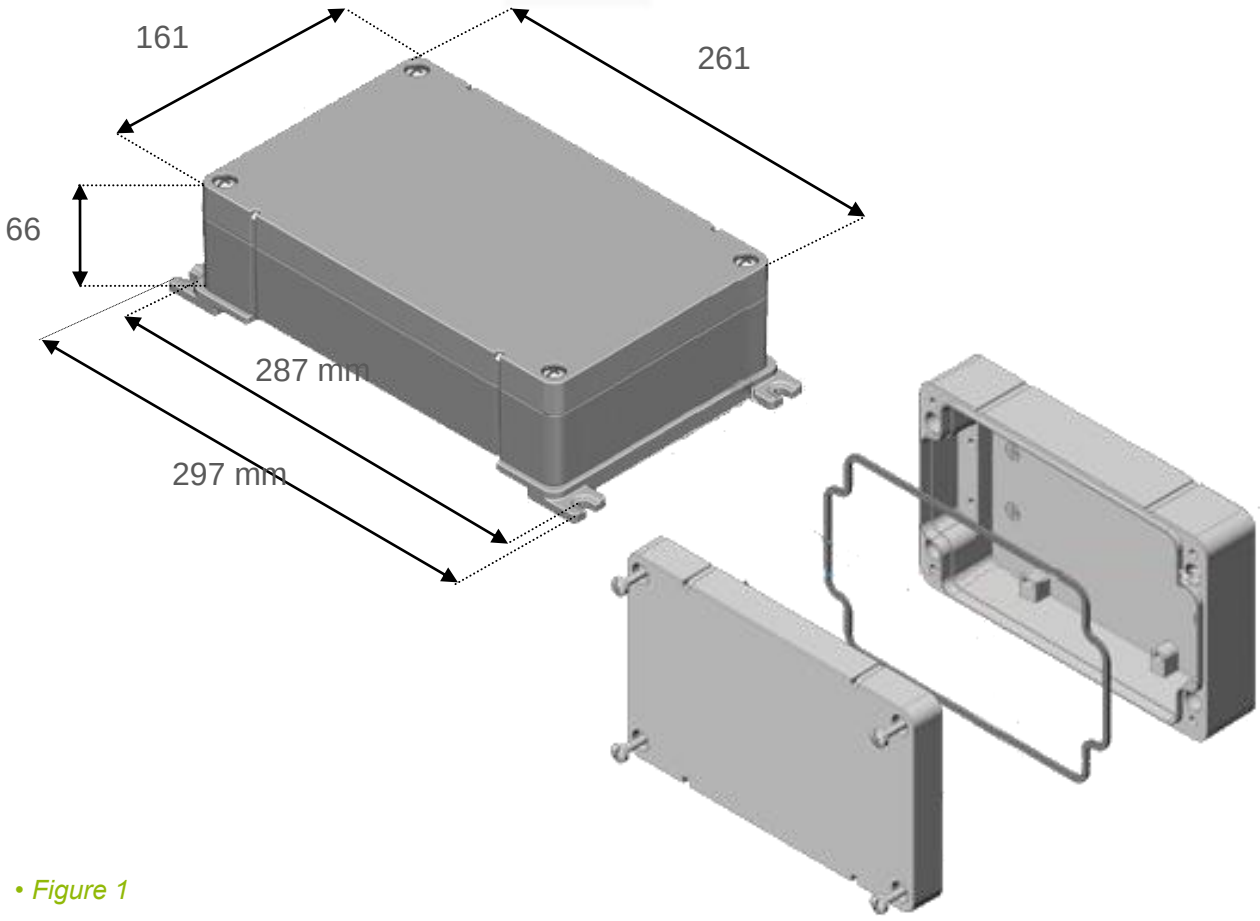
Scanner on 4 plans

TECHNICAL FEATURES

- For CPU Box : **Figure 1**
- For laser scanners : **Figure 2**

  Dimension are 125mm x 93mm x 70 mm
- CPU Connector : **Figure 3**

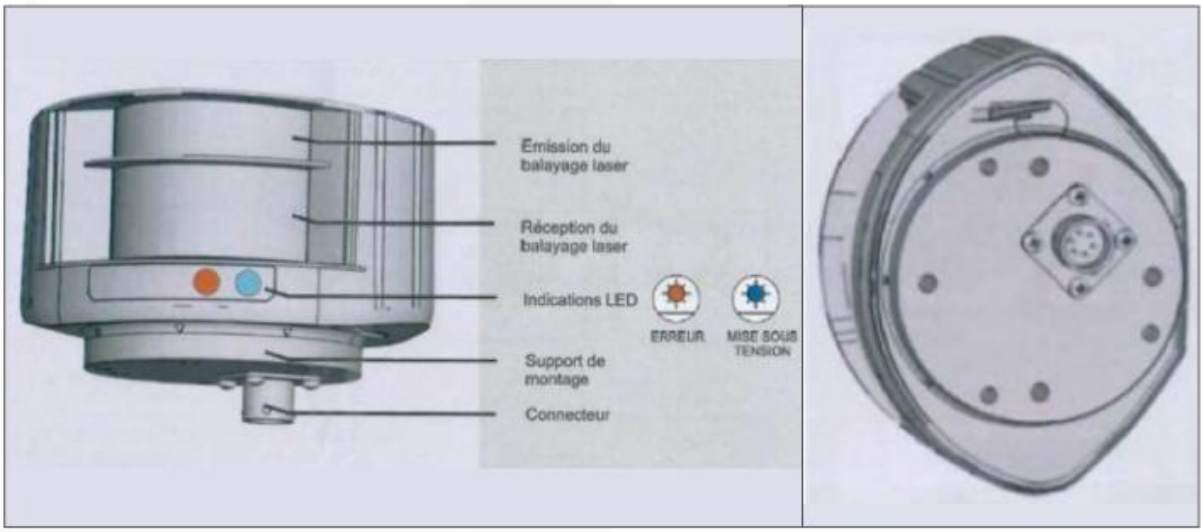
MECHANICAL INTERFACE



• Figure 1

GAPS

For laser scanners :
Dimension are 125mm x 93mm x 70 mm



• *Figure 2 : Laser scanner*

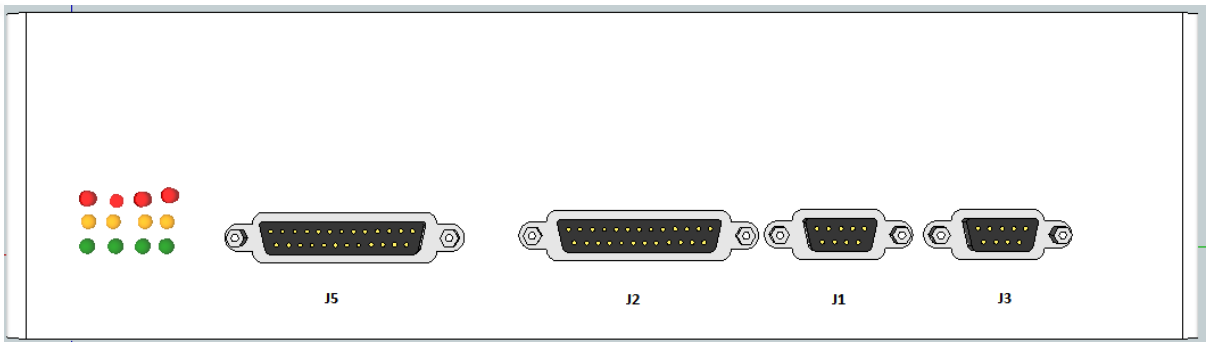
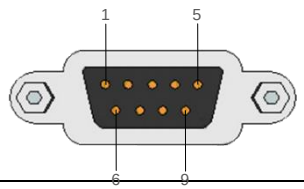


Figure 3 : CPU connector

J3- DB9 plug (RS485):

Box side, front view	
Référence : HARTING – 09 66 162 6813	
1. TX N Transmitted data -	
2. TX P Transmitted data +	
3. RX P Received data +	
4. RX N Received data -	
5. Gnd Masse	
6. to 9. Not connected	

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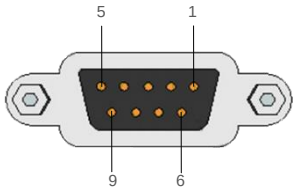
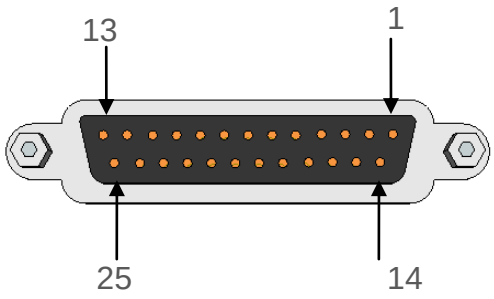
J1- DB9 receptacle (CAN):

Box side, front view	
Référence : HARTING – 09 66 162 6813	
1. GND Common ground	
2. GND Common ground	
3. GND Common ground	
4. GND Common ground	
5. GND Common ground	
6. C2L Can P2 Low	
7. C2H Can P2 High	
8. C1L Can P1 Low	
9. C1H Can P1 High	

J2- DB25 receptacle (Lasers):

Box side, front view	
Référence : HARTING – 09 66 162 6813	
1. -	
2. -	
3. Gnd-iso GND laser	
4. 24G 24V Lasers P1	
5. -	
6. Gnd-iso GND laser	
7. 24G 24V Lasers P1	
8. -	
9. Gnd-iso GND laser	
10. 24D 24V Lasers P2	
11. --	
12. Gnd-iso GND laser	
13. 24D 24V Lasers P2	
14. ON_G On/Off lasers P1	
15. RX N 2P1 RX- Laser 2 P1	
16. RX P 2P1 RX+ Laser 2 P1	
17. ON_G On/Off lasers P1	
18. RX N 1P1 RX- Laser 1 P1	
19. RX P 1P1 RX+ Laser 1 P1	
20. ON_D On/Off lasers P2	
21. RX N 2P2 RX- Laser 2 P2	
22. RX N 2P2 RX- Laser 2 P2	
23. ON_D On/Off lasers P2	
24. RX N 1P2 RX- Laser 1 P2	
25. RX N 1P2 RX- Laser 1 P2	

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