

INSTRUMENTATION / ELECTRICAL SERVICES / M & S

Technical specifications for DOOR FRAME METAL DETECTORS:

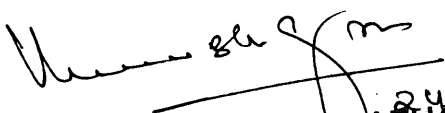
1. The arch assembly should be not less than (HxDxW) 2110 x 300 x 790
2. Passage clearance should be not less than 1900 x 300 x 685 mm
3. The floor space required should be not more than 0.45Sq mtr
4. Key pad facility should be available for parameters settings
5. Detection zone should be not less than six zone and all six zones are individually adjustable (0 to 255%) with respect to the overall sensitivity level.
6. Reset time should be adjustable
7. Should have advanced self-adjusting diagnostics facility
8. Should have network connection facility
9. Should detect Ferrous and non ferrous Metal alloys
10. Should have multiple audio signals (in three different sounds)
11. Should have self-calibration with auto setting systems
12. Should have Three level visual signal (ie Low, Medium and High)
13. For In/Out minimum six digit counting with 2 X 16 blue backlight LCD /LED
14. Should be fully protected operating control and visual indication case if any accident
15. Should be minimum 10 digit LED BAR GRAPH facility
16. Should have walk/stop indicator on both sides.
17. Should have a facility for level adjustable sensitivity
18. Should be fully ABS laminated control panel and search head with water proof material
19. Should be in-built IR sensors(infrared sensors) to avoid false metal detection
20. The technology systems used is to be Transmitter, Receiver coil type.
21. The connector used should be complete detachable system with good quality.
22. Should be complete protection from outside moving metal
23. Battery backup for the system should be minimum 6 to 8 hrs with in -built battery charger facility
24. Operating Temperature should be - 20 Deg.C to 70 Deg.C
25. Relative humidity should be 0 - 95% (without condensation)
26. Working power supply should be 100 v to 240vac ,50Hz and power consumption should be 45W

Safety standards :

1. Safety standard EN 60950 (ELECTRICAL SAFETY) should be followed
2. Electromagnetic compatibility standard EN 50081 -1 (EMISSION) EN 50082-2 (IMMUNITY) should be followed.
3. Other standards ie Radiation standard EN 500081 -1, SAFE FOR WEARERS OF HEART PACEMAKERS, PREGNANT WOMEN AND MAGNETIC RECORDING MATERIALS, CONFORMING TO THE CURRENT should be followed.

Supply, installation and commissioning of the detector are supplier's scope


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