



Top 40 applications for your LaserMETER 3000XP

**An informative guide highlighting the different applications for your
LaserMETER 3000XP in (hazardous) industrial areas**

Contents



Facilities



Electrical



Industrial Maintenance



Plumbing



Construction



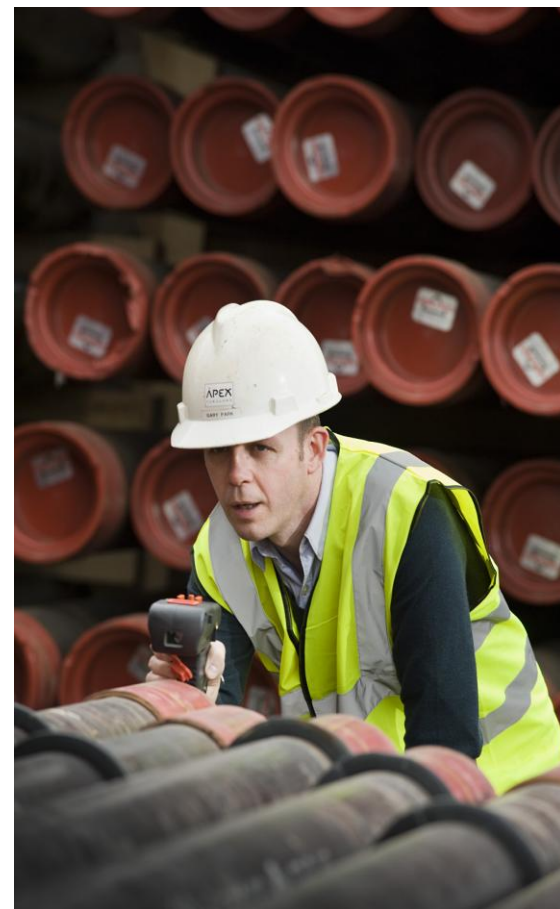
Lighting

Using the following white paper, determine what use you will have for a LaserMETER 3000XP that can be used in hazardous and non-hazardous locations, in your chosen industry.

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Facilities: Layout

1. Create accurate estimates when quoting for work (Electrical, cable runs, piping, maintenance) by measuring distances, area, and/or volume.
2. Calculate the height or width of buildings using Pythagoras.
3. Validate/obtain measurements to create accurate CAD design drawings.
4. Conclude if piping runs perfectly parallel.
5. Lay out road tanker loading bays
6. Finalise footprint/positioning of plant equipment to provide layouts.
7. Use to create blue-prints, where previously not available
8. Calculate floor space/area volume
9. Measure distances, where non-movable obstacles would not allow the use of tapes or wheels.



Facilities: Safety

10. Measure distances (including ceiling heights) to install emergency lighting, sprinklers, and fire extinguishers to code.
11. Accurately determine location of equipment for hazardous area classification reports.
12. Measure distances from machines for safety equipment (fire extinguishers, fire blankets, etc.).

Facilities: Other

13. Area measurement for coating/painting of walls, railings and pipelines.
14. Taking a height measurement for choosing the correct access device.
15. Track location of leaks or standing water that have been found.



Electrical: Cable

16. Measure distances for length or wire or cable runs.
17. Measure feet/meters of conduit needed for new installations of cables for machinery.
18. Measure height of high voltage lines to meet clearance requirements.
19. Determine length of rope/wire assemblies for setting up harnesses.
20. Measure distances of cable to gauge voltage drops (in power supply)
21. Measure depth/distance of underground conduit.
22. Measure underground cable, using surface reference points.
23. Determine location of cable faults using the A-frame method.
24. Measure distances for subfloor cabling/network installations and piping.



Electrical: Safety

25. Measure distances from power system devices to improve electrical safety/arc flash reduction.

Industrial Maintenance: Conveyors

- 26. Calculate/Determine conveyor belt length (for/at installation)
- 27. Determine potential capacity of conveyor belt based on length.

Industrial Maintenance: Layout

- 28. Measure distance between machines to estimate heat loading.
- 29. Calculate positioning of ventilation for machinery, according to regulations. (mass air flow)



Industrial Maintenance: Other

- 30. Align/level large welding fixtures

Plumbing

- 31. Measure distances of pipes, to help determine the distance liquid will be pushed, allowing correct motor/pump selection for the task.
- 32. Determine distance for pump lines and piping runs, especially when measuring pipe lengths behind existing walls.

Construction

- 33. Measure distances from roads and property lines to comply with local building codes.
- 34. Calculate insulation requirements (volume needed)
- 35. Determine trench, hole depth.
- 36. Calculate volume/coverage area of sheetrock to cover surfaces.

Lighting

- 37. Calculate central point of ceiling and other locations requiring lighting or fan installation
- 38. Determine light/lumen requirements based on ceiling height, compared to elevations of suspended lighting fixtures.
- 39. Determine the number of power supplies needed in temporary LED lighting applications.
- 40. Determine distance from power supplies for LED and low-voltage lighting and other electronic loads.

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