

# Shutoff Algorithm for Portable Gasoline Powered Generators

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## Status:

Seeking R&D and/or  
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Patent Pending

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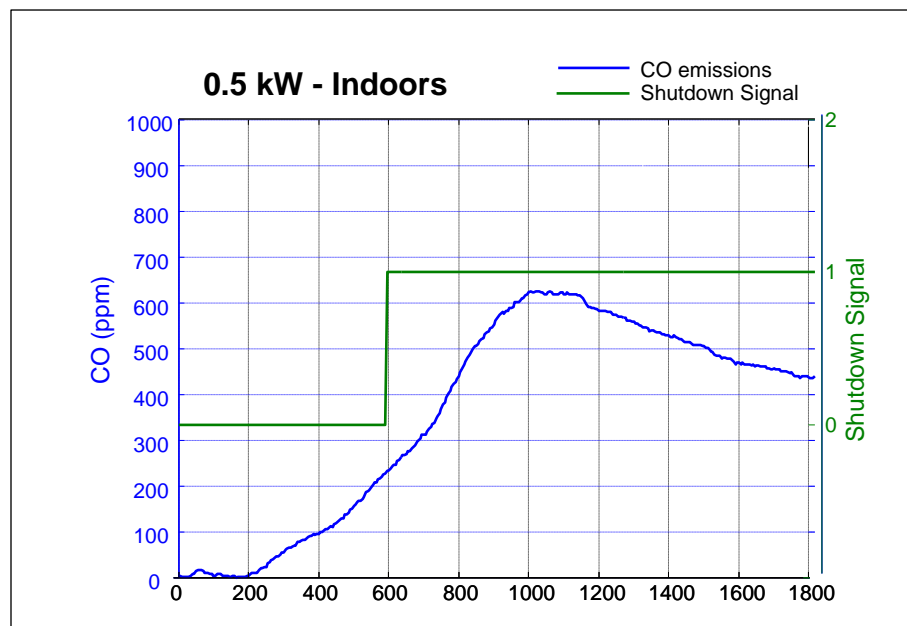
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## Oxygen Depletion Shutoff Algorithm

- Incomplete oxidation during combustion can result in unsafe levels of carbon monoxide (CO) in a confined space
- Algorithm utilizes information from engine control system to determine oxygen levels
- If oxygen levels fall below a preset lower limit, the generator is shutoff without any user involvement

## Advantages

- Eliminates need for CO sensor which can malfunction or provide false readings
- Uses information from oxygen sensor in engine control system, thereby implementation into generators is straightforward
- Shutoff algorithm is more reliable than traditional CO sensors



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