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Current Shunt Monitors

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Transcript

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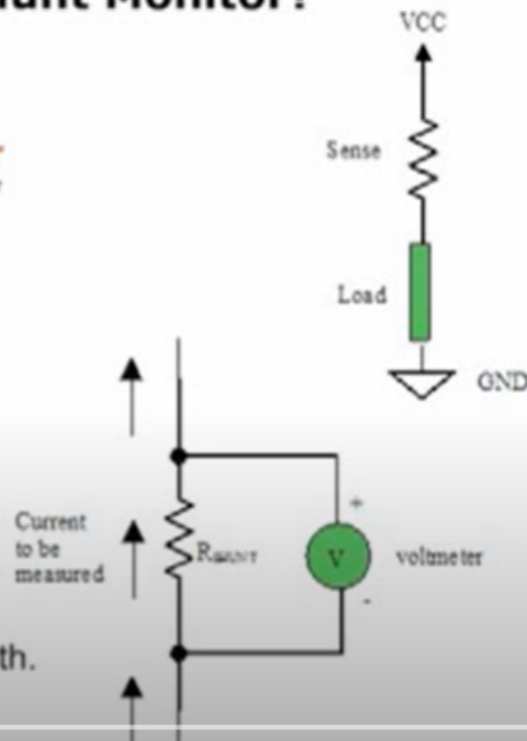
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What is a Current Shunt Monitor?

High Side Current Sensors:

- A special type of **difference amplifier** that is designed for the specific use of high side current measurement.
- Measure/Monitor the current flow by measuring the **voltage drop across a resistor** placed in the current path
- Output either a voltage, current or digital signal that is **proportional to the current** through the measured path.



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Where can a current shunt monitor be used?

EVERYWHERE!

Any application that...

- needs to measure current
- needs short circuit or overload detection
- needs to control the current based on a reference or needs to know the current to control other parameters
- **Industrial, Medical, Consumer ALL use current shunt monitors**

The BIG three:

- Power Management
 - Power Supplies
 - Battery Chargers
- Computing
 - Servers
 - Notebooks
- Motor Control
 - Power windows
 - Power Seats



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