

# remote temperature sensing

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.components/2005-10/msg00130.html>

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  - *Date:* Sat, 22 Oct 2005 11:17:11 -0400
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I would like your thoughts on the best way to monitor/log remote temperatures with a range of about 200 feet. I am working on a project that will monitor my oil-fired furnace temperature and then also monitor the different rooms of my home and have fun with it.

I've tried the LM34 but with the lengths of the runs I don't get reliable results when I input the voltage into an ADC. What are your thoughts. How is it usually done. I'm interfacing this all to an 8031.

Thank you , Carl

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- Prev by Date: [\*\*\*Info on AMI 8436\*\*\*](#)
- Next by Date: [\*\*\*Re: Nice programmable electronic signs for sale...cheap...\\$24.00\*\*\*](#)
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- Next by thread: [\*\*\*Diff-Amp\*\*\*](#)
- Index(es):
  - ◆ [\*\*\*Date\*\*\*](#)
  - ◆ [\*\*\*Thread\*\*\*](#)