

How do I monitor power surges and dropouts at a remote site?

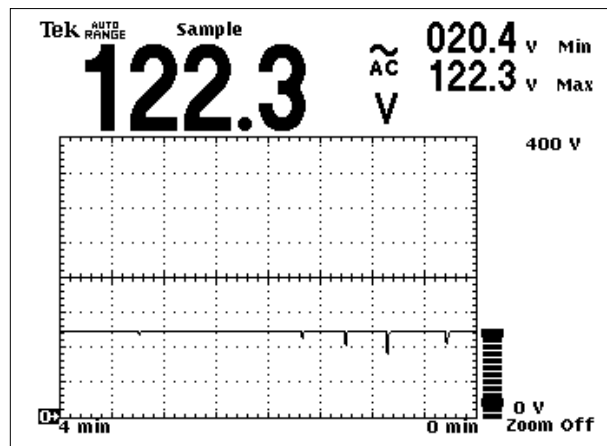
You are having intermittent problems with electronic equipment that operates unattended at a remote site. You need to determine if the problem is a result of occasional, momentary voltage fluctuations in the electrical service to the equipment.

The problem: Intermittent electrical power fluctuations at an unattended remote site

- Fluctuations are not predictable
- It's not feasible to send a technician to monitor events occurring over several days

The solution: Use the THS700's DMM Datalogger for power quality measurements

- Set up the THS700 Series TekScope® to monitor the line voltage for the desired length of time and capture any surges or dropouts that may occur



Troubleshooting Tip

Using the TekScope's DMM Datalogger to capture signals over time

1. In the DMM mode, select full-scale range to 400 V using the VOLTS/DIV rocker
2. Adjust the SEC/DIV rocker so the datalogger horizontal scale is one day per division
3. DMM measurements are taken at a rate of approximately 10 per second and logged over an 8-day period

