Abstract

Present paper proposes a power measurement method of a single phase electrical load (RLC). Real time monitoring of power supply is essential for its continuous and reliable operation. So, this paper also presents a low cost, low power consuming system that can be used for fast and precise domestic power supply parameter monitoring. Simulations analysis of the voltage waveform, current waveform and the phase difference between these two signals were done using CRO. By using this measurement techniques behavior of any electrical appliances can be checked and improvement in its working can be possible after that in it. And also using this measurement technique we can check which types of harmonics are flowing in the appliances during its normal working condition.

References


**Index Terms**

Computer Science  
Power Systems

**Keywords**

Power measurement, transjector, voltage divider, phase difference.