

Development of a Data Acquisition System for Steel Works Application of Technology of Wireless Temperature Sensor Using Energy Harvesting

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Abstract:

In steelworks, furnace temperatures are sometimes measured by workers, but this is a high-load operation with many measurement points even the frequency of measurement per site is low, around several times per day. The wireless temperature sensor using energy harvesting is expected to improve furnace temperature control without power and control wiring and with high fre-

ing waste heat of the steel works, furnace temperature management can be upgraded, and energy saving and CO₂

References

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- 2) Kuroki, T. Development and demonstration of steelworks application technology for wireless temperature sensor using energy