DMS METERING SOLUTIONS



CASE STUDY: Heat Metering for a Historic Hospitality Property in Norfolk

Sector: Hospitality
Location: Norfolk, United Kingdom
Solution Provided: Sontex Supercal 5 Thermal Energy Heat Meter

Overview

A historic hospitality property in Norfolk required an accurate and dependable solution for monitoring thermal energy consumption within its heating system.

Hotels and hospitality venues can experience highly variable heating demand, with energy required for guest accommodation, communal areas, hot water and other facilities throughout the day. For older character buildings, understanding exactly how much thermal energy is being consumed can be particularly valuable when managing comfort alongside energy efficiency.

DMS supplied a **Sontex Supercal 5 Heat Meter**, providing accurate measurement of the thermal energy being delivered through the property's heating system.

Project Requirements

- Accurate measurement of thermal energy consumption
- Reliable monitoring within an established heating system
- Suitable for a hospitality property with changing occupancy
- Improved visibility of heating demand
- Accurate data to support energy-management decisions
- A dependable solution suitable for long-term commercial operation

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DMS Solution

Heat Metering – Sontex Supercal 5



DMS supplied a **Sontex Supercal 5 Thermal Energy Meter** for installation within the property's heating system.

The Supercal 5 calculates thermal energy consumption by measuring the volume of heating water passing through the system together with the temperature difference between the flow and return circuits.

This provides the building operator with an accurate measurement of the heat being delivered, helping create a clearer understanding of actual energy demand.

In a hospitality environment, heating requirements can change considerably depending on guest occupancy, seasonal conditions and the use of different areas within the property. Reliable heat-metering data allows these variations to be monitored over time rather than relying solely on estimated consumption or overall fuel usage.

For a historic property, this can also provide valuable information when assessing the performance of existing heating systems and considering future energy-efficiency improvements.

The Supercal 5 offers a flexible and reliable solution for commercial thermal energy measurement, with communication options available where integration with wider monitoring or Building Management Systems is required.

Results

The installation provided the golf course with:

- Accurate measurement of thermal energy consumption
- Greater visibility of heating demand
- Improved understanding of changing consumption patterns
- Reliable data to support energy-management decisions
- The ability to monitor heating performance over time
- A robust heat-metering solution suitable for a hospitality environment

By monitoring the thermal energy delivered through the heating system, the property can develop a clearer understanding of its energy requirements and use accurate consumption data to support effective building management.

Why DMS?

With over 25 years of experience in heat and energy metering, DMS supplies reliable metering solutions for hotels, hospitality venues, heritage properties and commercial buildings throughout the UK.

As the **exclusive UK partner for Sontex**, DMS provides access to the complete Sontex thermal-energy metering range alongside expert technical support and product-selection advice.

From individual heat meters to complex commercial heating installations, DMS can help identify the right metering solution for every application.

Discover our Sontex heat meters and complete range of thermal energy metering solutions at dmsltd.com. or scan the QR code.

25 YEARS DMS METERING SOLUTIONS

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