xylem

MINIMIZE **ENERGY**

MAXIMIZE **EFFICIENCY**

PolluTherm® F

THE SENSUS THERMAL ENERGY METER IS FULFILLING ALL REQUIREMENTS OF THE EUROPEAN ENERGY DIRECTIVE (EED) AND AN IMPORTANT COMPONENT WITHIN XYLEM BUILDING SOLUTIONS - HELPING TO SOLVE WATER AND ENERGY CHALLENGES IN BUILDINGS AND BEYOND.

With the United Nations Sustainable Development Goals (SDGs) thermal energy management is growing steadily in importance. Not only for the measurement of heating energy but also increased usage of cooling applications even in Northern Europe for climate change.

The range of thermal energy meters from Sensus, a Xylem brand, supports the precise and accurate measurement of energy consumption. It helps operators build their customers' awareness of their energy usage, providing the incentive to develop a more effective energy saving culture.

With the addition of PolluTherm® F, the next generation thermal energy meter, Sensus has enhanced its comprehensive portfolio of thermal energy meters, flow sensors, calculators and associated communications products - delivering fully packaged solutions for a wide-range of industrial, district heating and building services applications.

sensus
a xylem brand

Benefits

- Like PolluStat, PolluTherm® F has the ability to retrofit communication modules.
- Exchangeable battery, or optional external 230V or 240V power supplies enables reads to be made without any time or read-frequency limits.
- Simplifies solution and communication
- Modular communication interfaces can provide lower storage costs.
- Our static solutions PolluTherm® F and PolluStat carry the same firmware and User Interface (UI).
- For some markets like Germany, we can provide a full service solution. Buy or rent, install, maintain functionality and keep track on replacement schedules.
- Flexible and therefore cost effective operations.
- Optimisation of your supply chain. Accessories and communication modules are identical.

Many users must deal with different calculator types within the same use-cases. This makes solution- and communication-design complicated. System operation demands knowledge for more than one human interface plus the use of different software suits. Our PolluTherm are based on the same hardware and firmware design so:

Knowing one system = knowing them all! One communication platform - Sensus static thermal energy meters use the same communication platforms.

Smart ready - move from manual meter reading, via walk-by/drive-by to AMI (small fixed networks) with the help of our communication solutions. Multiple communication options available, incl. M-Bus, Wireless M-Bus, LoRaWAN or Remote Meter Pulse.

Fulfilling all requirements of the EED (European Energy Directive). The directive requires enhanced consumer engagement by building awareness and driving behavioural change, especially on consumption, conservation and billing of thermal energy, in order to reach the EED energy efficiency target of 32.5% by 2030 across the EU.

The full range of Sensus static Thermal Energy Meters

PolluTherm® F with ultrasonic flow sensor PolluFlow

Ultrasonic Flow Sensor Threads 5-90°/PN16, q_p0.6 to q_p10 DN15 to DN40
Ultrasonic Flow Sensor Flange 5-90°/PN16, q_p0.6 to q_p60 DN15 to DN100

PolluStat Compact Heating or Cooling Meter

Threads 5-90°/PN16, q_p0.6 to q_p10 DN15 to DN40

PolluStat is a smart and flexible compact thermal energy meter, with a detachable calculator unit, making it ideal for sites with very limited space. Similary to the PolluTherm® F, the PolluStat can be connected to existing building automation systems and other consumption meters.

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