



**SIEMENS**

PROCESS INSTRUMENTATION

**SITRANS FEC920**

**Energy Meter**

Monitor and control your energy efficiency in more ways

[www.usa.siemens.com/pi](http://www.usa.siemens.com/pi)



Monitoring and controlling your building's energy efficiency is more important than ever. With energy costs continuing to rise, the financial benefit of knowing exactly where and when your energy is being used grows. Siemens can help. Our diverse portfolio of flow and temperature meters combined with the versatile SITRANS FEC920 Thermal Energy Meter provides you the real-time data you need to verify your equipment's operational efficiency and more effectively manage your energy usage.

The SITRANS FEC920 Thermal Energy Meter is the perfect solution for taking back control of your energy costs. Designed with a single or dual channel system capable of accepting a wide range of flow and temperature measurements, the FEC920 works in nearly any application. Whether measuring heating, cooling, or condensate systems with new or existing flow meters installed, the FEC920 provides revenue grade thermal energy measurements and can connect to any building management system.

#### Diverse Applications

The SITRANS FEC920 is the ideal solution for measuring thermal energy in a wide range of applications, including:

- Sub-metering for universities Industrial HVAC systems
- Energy billing in residential buildings
- Chilled or hot water plants in corporate complexes, hospitals, shopping malls, airports, and more!

#### Ease of Use

The SITRANS FEC920 is built and configured to your system's specifications, making setup and use simple. The thermal energy calculator provides the ability to read thermal energy measurements on the local graphical display or via any building management system. Whether locally or remotely, you can monitor Volumetric Flow rate, Differential Temperature, Heat Energy Rate, Total Heat Energy, Cooling Energy Rate, and Total Cooling Energy to give you greater control over your heating and cooling systems.

#### Versatility

The FEC920 can accept inputs from any flow meter, whether they're electromagnetic, turbine, vortex, clamp-on sensor, or a combination of installed technologies. The ability to measure flow from multiple technologies means you get the best measurements for the application.

#### Seamless Integration

The FEC920 Thermal Energy Meter can be incorporated into nearly any flow system at use in your building. For new applications, Siemens can design a reliable and cost-effective energy monitoring solution with our extensive line of flow and temperature sensors. In areas with difficult space constraints or previously installed meters, the FEC920 easily collects data in a centralized location from any combination of disparate flow systems.

<b>Display</b>	Graphical color screen
<b>Data Inputs</b>	Analog 4-20 mA <sub>dc</sub> (flow meters and temperature sensors, 1 or 2 channel)  Frequency 0-20 kHz, 30V p-to-p (turbine meters, 1 or 2 channel)
<b>Data Outputs</b>	2x analog, 2x relay
<b>Communication</b>	BACnet IP (Std), BACnet MS/TP, Modbus TCP/IP, EtherNet/IP
<b>Enclosure Rating</b>	NEMA 4X (IP65) for wall mounting
<b>Approvals</b>	UL, ULc, RoHS, OIML R75 Class 4, EN 1434
<b>Power</b>	100-230V AC or 24V DC/AC

#### Legal Manufacturer

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