Industrial energy consumption metering with energy meters in connection with flow sensors

Not only small but also big industrial manufacturers have a main interest to monitor and measure their energy consumption so as to optimize efficiency of their heating/cooling systems and of other energy consuming processes and where applicable to control and extend the system. The energy meter of the series 2300 in connection with flow sensors of the series 200 and temperature sensors applied on flow and return lines of the water circuit provides for industry a suitable system for monitoring the specific process.

Application e.g. in a cooling system:

Task
Monitoring and optimization of energy requirement and temperatures within a cooling circuit system.

Solution
Two flow sensors of the series 200 and four temperature sensors installed on process relevant points.

Diagram:

- A defines energy provided to maintain process temperature
- B defines energy conducted from heating circuit by the cooling system