

CPU Chiller / Cooling Utility Unit

RELIABLE SENSING SOLUTIONS FOR EFFICIENT, SAFE AND SUSTAINABLE OPERATION

MONITOR
PROTECT
OPTIMISE

A range of high-performance sensors from Gems and Setra, supplied by Automated Control, to monitor and control critical parameters in chiller and cooling utility applications.

ELS-1100 & ELS-1150 Electro-Optic Level Sensor

- Confirm tank fluid level
- High/low level alarm
- Compact, no moving parts

FT Series Flow Sensor

- Measure coolant flow
- Verify pump operation
- Protect against low flow

Rotorflow Series Flow Sensor

- Measure high flow rates
- Proven, reliable design
- For water/glycol circuits

XFT Series Clamp-On Flow Meter

- Non-invasive flow measurement
- Retrofits to existing pipework
- Ideal for temporary or upgrade installs

Manifold AG or BG Solenoid Valves

- Control water/glycol distribution
- Automate isolation and bypass
- Reliable, compact design

CAP-300 Solid-State Level Sensor

- Detect reservoir level
- High or low level protection
- Rugged and reliable

3100 Series Pressure Sensor

- Monitor system pressure
- Protect pumps and heat exchanger
- High accuracy and stability

Model 230 Wet-to-Wet Differential Pressure Sensor

- Monitor filter / heat exchanger ΔP
- Detect fouling / blockage
- Improve system efficiency

AG Series Solenoid Valve

- Control coolant supply
- Isolation and fail-safe operation
- Reliable for critical environments

LS-10 Series Leak Detection Sensor

- Detect leaks in drip tray
- Protect valuable equipment
- Early warning of water presence



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Typical Applications for Gems & Setra Sensors

Typical Applications



Data Centres



Manufacturing



Commercial
Buildings



Pharmaceutical



Food & Beverage



Renewable
Energy



HVAC / Building
Services



Process Cooling



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Gems & Setra sensing and control solutions

A practical product selection overview for monitoring level, pressure and flow, controlling coolant distribution, and detecting leaks in critical cooling utility systems.

Level Sensors

- CAP-300 (capacitive): Reliable liquid level monitoring for reservoirs/manifolds
- ELS-1100/1150 (electro-optic): Compact high/low level detection
- LS-10 (float-type): Accurate leak detection for cabinets

Pressure Transmitters

- 3100 Series: Wide pressure range monitoring for system safety
- Model 230: High-accuracy differential pressure measurement

Flow Sensors

- Rotorflow: Real-time flow indication
- FT-110: High-accuracy flow monitoring
- XFT Clamp-On: Non-invasive flow measurement with 4-20 mA output

Valves

- AG/BG Solenoid Valves: High flow, fast response for efficient coolant distribution