

Application Spotlight

Data Center Cooling System Sensing Solutions

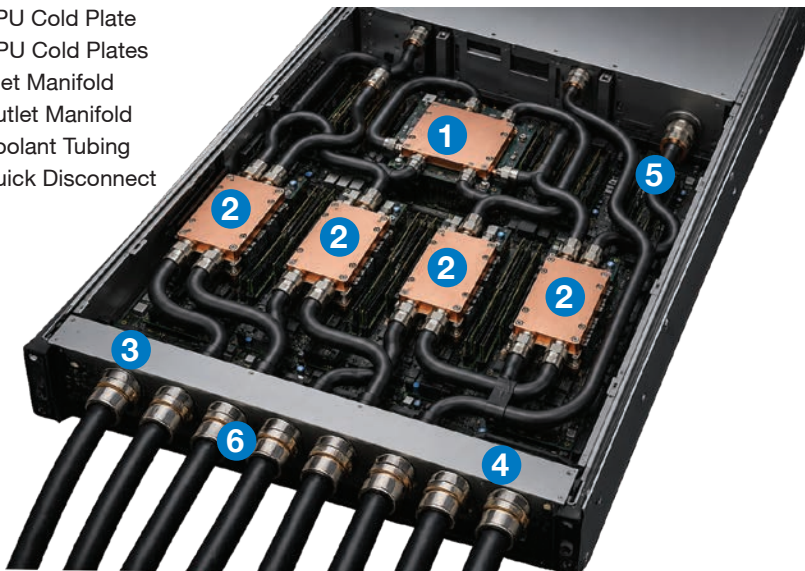
NovaSensor offers a comprehensive portfolio of **MEMS-based media compatible pressure sensors** designed to meet the demanding requirements of data center cooling systems. Our sensors provide accurate pressure and temperature measurement in a single package or integrated subassembly, enabling compact designs and simplified system integration. NovaSensor solutions can be customized for standard liquid coolants or optimized for lower-power air-flow cooling applications, delivering reliability, flexibility, and performance across a wide range of cooling architectures.

Applications

- Coolant Distribution Units (CDU)
- Cold-Plate Cooling Systems
- In-Rack Cooling Distribution units (CDU)
- Chillers and Cooling Towers
- Immersion Cooling
- Air Cooling Systems

Cold Plate Cooling System Loop

1. CPU Cold Plate
2. GPU Cold Plates
3. Inlet Manifold
4. Outlet Manifold
5. Coolant Tubing
6. Quick Disconnect



Sensor Solutions

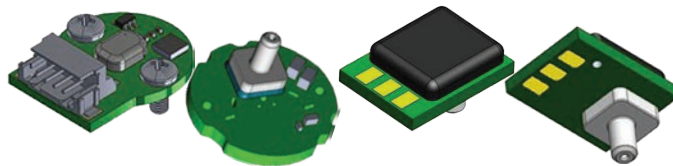
NPI and IPT Media Isolated Family

Media isolated 316 stainless steel sensors provide digital or analog pressure sensing



LCMC Coolant Compatible Family

Dual pressure and temperature sensors, provide digital or analog output



Cooling Distribution Unit (CDU)

