



**AW-LAKE**  
PROCESS FLOW MEASUREMENT



APPLICATION SPOTLIGHT  
MRI / CAT Scan Machine - Coolant Flow



## MRI/CAT Scan Machine - Coolant Flow



### APPLICATION:

Large MRI and CAT scan machines need a constant flow of coolant around the core to prevent overheating. The customer needed an inexpensive and reliable way to monitor the flow from the cooling unit and provide feedback to the machine control if the flow dropped out for any reason.

### PRODUCT SUPPLIED:

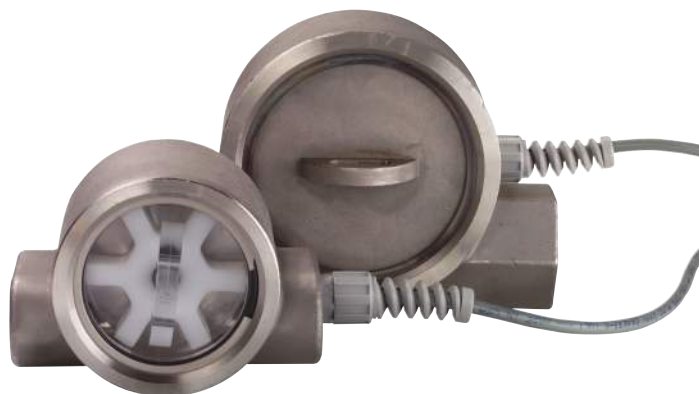
Stainless steel FlowStat paddle wheel flow meter with custom circuit board for temperature monitoring

### CHALLENGE:

Because this is a large volume OEM application, cost was a significant factor. The customer also required monitoring of the temperature of the fluid leaving the cooling unit as a way to monitor the condition of the cooling unit.

### SOLUTION:

The Lake Monitors FlowStat in Stainless steel provided the compact size and voltage output that was desired. Working closely with the customer, our engineers designed a circuit board that incorporated a temperature probe to also monitor the temperature of the fluid.



### RESULT:

The FlowStat has been successfully incorporated into this customer's products being manufactured at sites all over the world. The enhancement of adding the temperature monitoring has prevented expensive repairs to critical machines due to overheating.