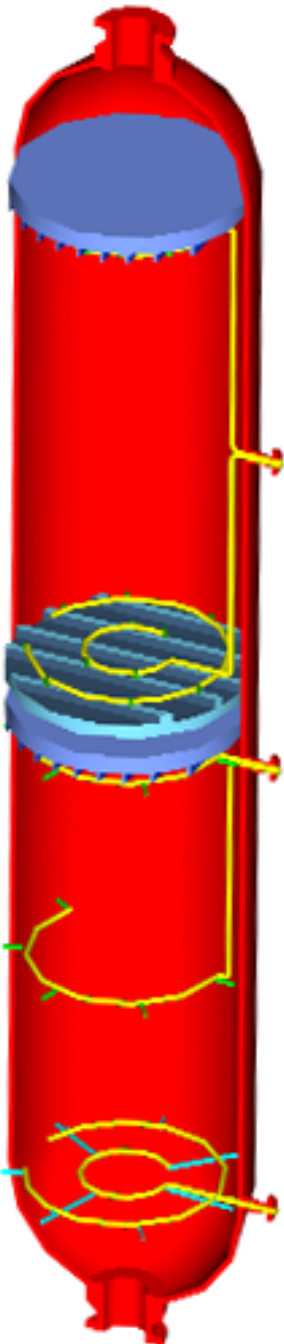


CatTracker[®]

Catalyst Tracking System



Precise, Real-time Temperature Sensing

Daily Thermetrics' CatTracker[®] Catalyst Tracking System incorporates cutting-edge aerospace technology backed by nearly 30 years of experience to provide process engineers with the most complete temperature profile possible.

Reliability and Flexibility

With its rugged aerospace design, the CatTracker[®] is unsurpassed in reliability. Since 2001, thousands of points have been placed into operation without a single failure of a CatTracker[®] sensing point. The CatTracker[®] is designed with plant safety and reliability in mind by including a secondary containment chamber to allow uninterrupted, continuous operation, even in the event of primary seal weld failure.

By offering multiple (individually isolated) sensing points with minimal hardware, the CatTracker[®] offers the flexibility of virtually unlimited sensing points within a reactor vessel. These sensing points can be placed practically anywhere inside the vessel to satisfy processors' ever-increasing desire for increased temperature feedback and control. The CatTracker[®] makes retrofitting even the most complicated reactors simple.

Accepted by most major licensors

Simple, Cost-effective Support Structures

The CatTracker[®]'s support structures are designed to install quickly and easily, while at the same time maintaining the integrity to survive catalyst dump. By avoiding the more intricate (and more costly) "Wagon Wheel" design required by competitive systems, we are able to offer less interference with the Dense Loading Process. Our simple support structures also allow the installation time to be greatly reduced, which results in quicker start-ups.

Daily Thermetrics' support structures are designed such that no probe tips are left unsupported. Therefore, the CatTracker[®] has the ability to better withstand the great forces during the emptying of the reactor without bending. This benefit eliminates the need for field repair of the thermocouple tips.

Total Project Cost Reduction

In addition to the CatTracker[®]'s proven reliability, extreme flexibility, and intuitive design, the total project cost savings generated by the implementation of Daily Thermetrics' Catalyst Tracking System is simply unsurpassed.

Project costs are reduced by:

- Less installation time
- Simpler support structures
- Reduction of vessel platforming
- Fewer nozzles

The CatTracker[®] is a patented product manufactured exclusively by Daily Thermetrics. There is no equivalent.

