Introducing HANI™

High Accuracy Non-Invasive Temperature Sensor

Monitor the temperature of in-pipe fluid media in your process piping system with our new HANI Clamp Sensor. Easy-to-install with zero downtime, this sensor is a game-changing product for industrial temperature measurement and control.

No Probes. No Maintenance. No Downtime. No Problems.

Get the accuracy of invasive immersion sensors without any of the installation or sensor relocation challenges. Measuring in-pipe fluid temperature has never been easier!

Key Benefits & Features

Ease of installation & relocation: install HANI clamp in seconds

No drilling, no welding, no downtime.

Non-invasive & non-contact measurement

- Mounts easier than a surface sensor
- Removes easily without damage/residue
- Zero contamination risk
- No risk of sensor damage or buildup
- Ease when using a PIG product recovery system or CIP

High Accuracy and fast response times

- Performs like an invasive sensor
- t(63) 5 sec or t(90) 10 sec response time

Installs in Seconds

STEP 1
Clamp onto pipe

STEP 2
Connect cable to output device

STEP 3
Start temperature reading

Available in Industrial and Sanitary options

Process Temperature Range: 32 to 212°F (0° to 100°C)
Accuracy:
Sanitary Metal Pipes: ± 0.5°C
Industrial Metal Pipes: ± 0.5°C to ± 1.0°C
Output: 4 to 20 mA
Connection Type: M12 8-pin, IP65

HANI vs Traditional Solutions

	Clamp Sensor	Invasive Sensor	Surface Sensor*
High accuracy	✓	✓	✗
Fast response time	✓	✓	✗
Easy to install	✓	✗	✓
Easy to relocate	✓	✗	✗

* measures outside temperature of the pipe.

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Only HANI clamps on in seconds, reducing cost, maximizing uptime and facilitating process troubleshooting.

Common Applications

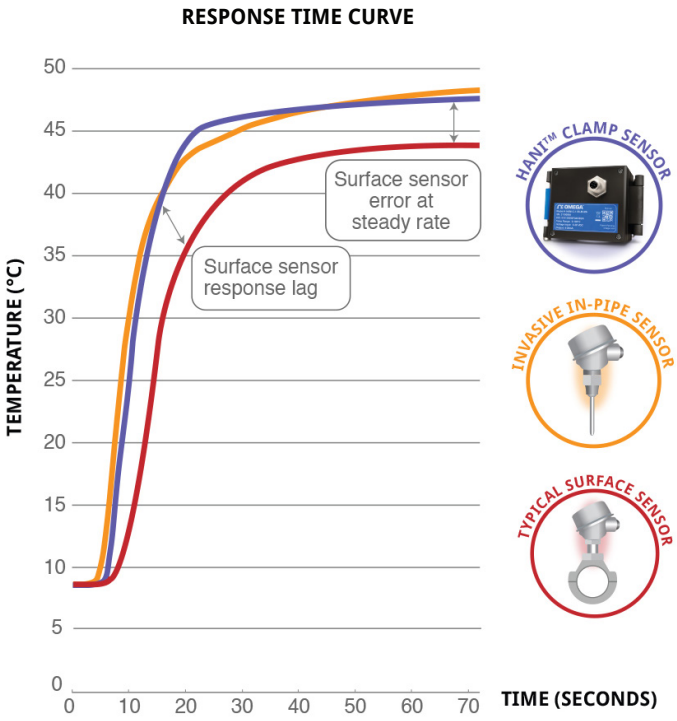
- **New and retrofitting existing systems -** Lower the total cost of ownership and reduce contamination risk without sacrificing performance by upgrading to a HANI™ Clamp Sensor.
- **Quality control & ad-hoc sensing -** Clamp-on the sensor in seconds and connect to your laptop or PC for readings anytime - anywhere.
- **Verify existing invasive sensors -** With accuracies comparable to most state-of-the-art invasive sensors, the HANI™ Clamp Sensor can easily be placed next to an invasive sensor to verify the accuracy or determine the drift of the invasive sensor.

What Customers are Saying

"So easy to install! We have been using in line RTD's and thermocouplers for years, this product has given us the flexibility of where to monitor temps without the costly modifications and downtime of moving a fitting for our existing products, and then the cost of having to rewire them if needed. So worth it to switch!"

"Wonderful Product! Hooking up the Hani Clamp to the pipe literally took 2 seconds - placed the unit on the pipe, took the band around the pipe and clasped it. It hugged the pipe just like it was made for it - because it was! It is a pleasure using this instrument. The readings are dead on accurate. We were able to get the readings on a laptop since we chose not to use the 4 to 20 mA feature. It is the best and as far as we know the only product available for taking non intrusive temperature readings from stainless pipes".

"Expertly-Designed, Robust Sensor. This non-invasive is a joy to work with right out of the box. Within two minutes I had the software downloaded, the sensor/clamp in place, and was reading temps; more accurately than and faster than the device installed in parallel I should add. Putting the device through its paces, it's water tight, chemical resistant, and to some degree fall proof. From a sanitary perspective I enjoy that this sensor is non invasive, the brewery industry must maintain sanitary practice; any chance to remove something from a sanitary pathway - I take it. The HANI is now my go-to audit sensor around the brewery. I've also had nothing but superior customer service from Omega, their entire team top to bottom is a pleasure to work with. I felt like a device seemingly so simple like this should already exist but it doesn't. Bravo Omega. You truly are sensing great things. Will buy again and again".



1. t63 is the time constant or response time required to reach 63.2% of the final value after an instantaneous temperature change. t90 is the response time required to reach 90% of the final value after an instantaneous temperature change.

PARTNER

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