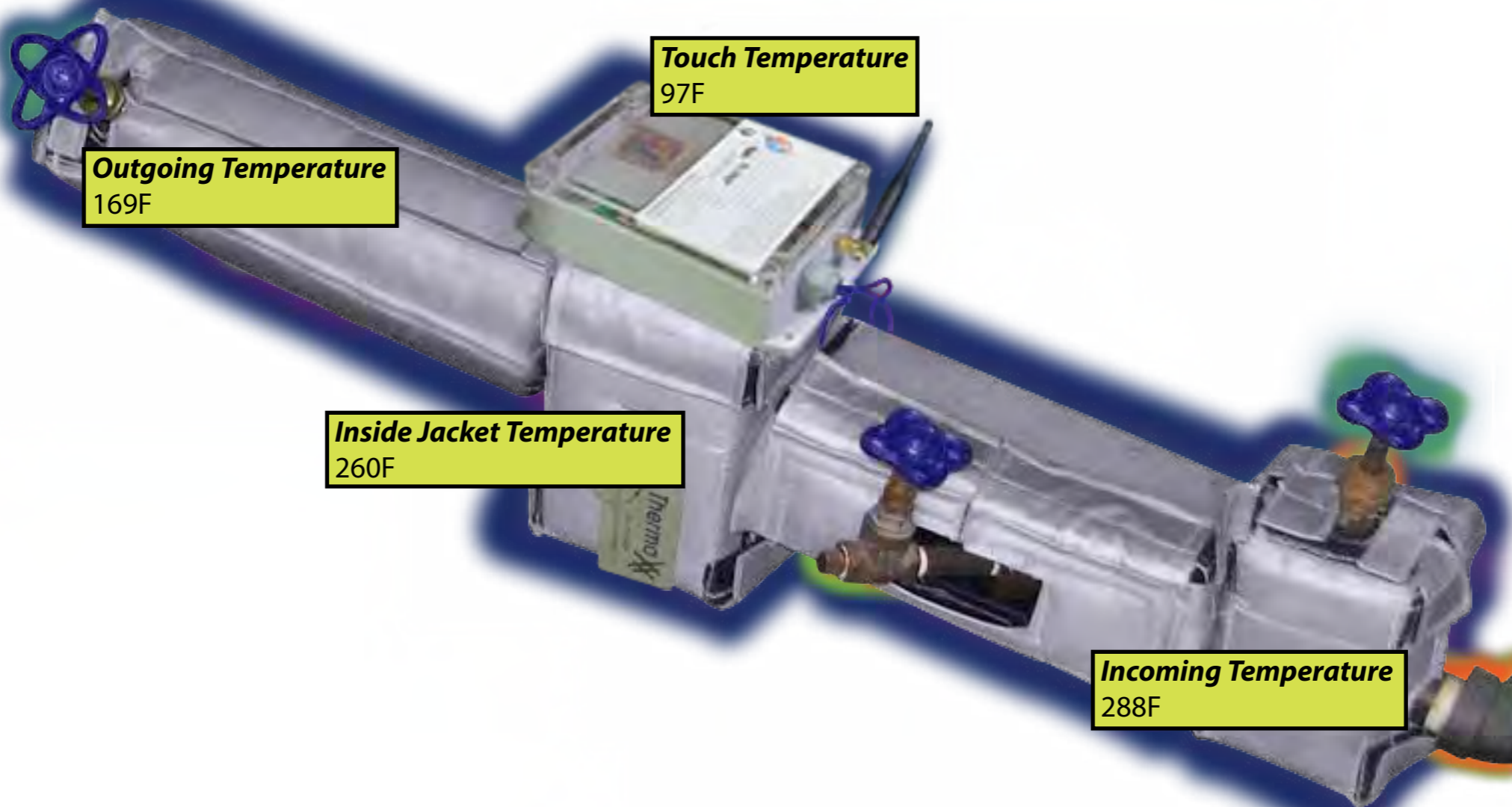




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jacket





Save Money ●●●●●



Our clients know that energy savings are a key benefit of our removable & reusable insulation jackets, but sometimes just knowing isn't enough.

Watch It Happening ●●●●●

Embedded sensors and electronics measure and wirelessly transmit vital information from each jacket to a remote monitoring station that displays, records, and analyzes the data. You can view the data on your desktop – or on the go with a tablet, or smartphone – via the Internet.



Prove It ●●●●●

Smart Jacket technology calculates true energy and cost savings, and can provide detailed reports as evidence.

Hourly BTU Loss



**\$1,834
Annual
Savings**

Without Smart Jacket With Smart Jacket

Smart Jacket results for a single 16" steam expansion joint showing true energy savings.





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358467F1912164065304783858316333≤ 67122523106 256915
8+05938405838899 €215828218406127 234881890+978+9036
72371 0437469498286%89895970C2581 - 547 > 8660262+362
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jacket

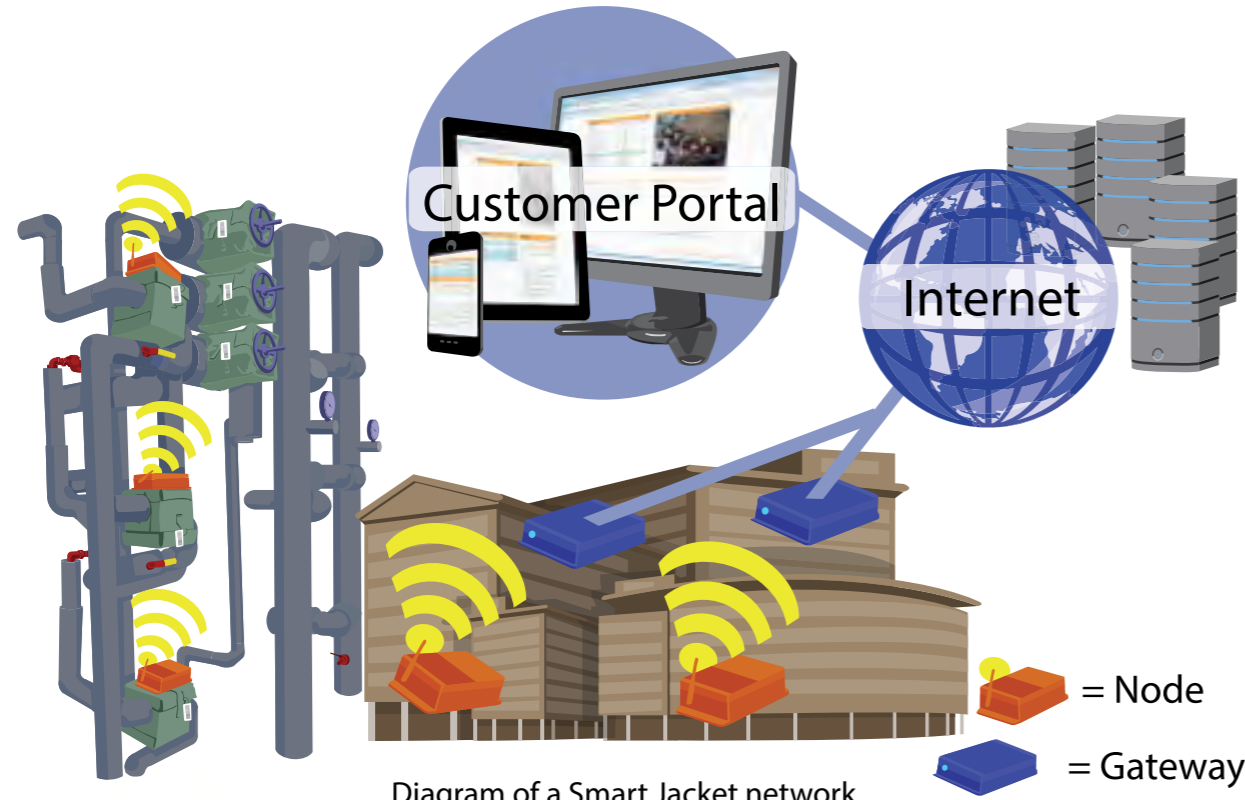


Diagram of a Smart Jacket network.

Node

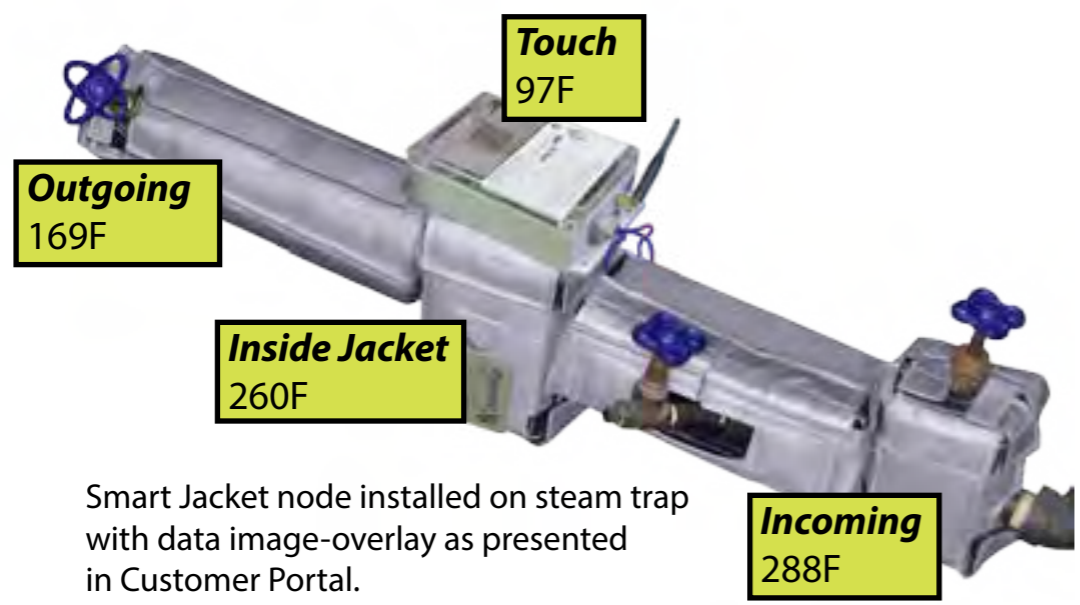
Power	2xAA Batteries
Battery Life	3 Years of operation
Sensor – Probes	3x Type K thermocouples (0-500°F standard, up to 2,282°F available)
Sensor – Ambient	1x Ambient temperature (30-180°F)
Range	1,000' line-of-sight, 60' (typical) in dense environments
Reporting	Readings obtained every 30 minutes (standard)

Gateway

Power	110V AC (always-on)
Connectivity	Internet connection (onboard cellular standard, ethernet or wifi optional)
Max. Nodes	Unlimited

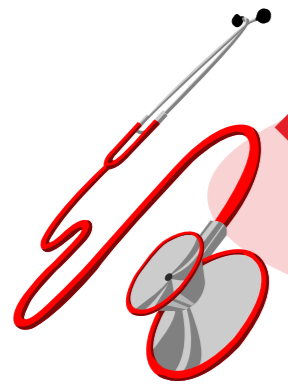
Customer Portal

Access	Internet connection and web browser required
Alerts	User-configurable email or text-message alerts
Views	Map views, image-based views, tables, and graphs



Smart Jacket node installed on steam trap with data image-overlay as presented in Customer Portal.





•••• Detect Problems

Know that components are functioning properly and receive alerts as soon as abnormal behavior is detected.



Nothing Else Like It ••••

Remote Monitoring

- Dashboard for all sensors
- Email & cellular alerts
- Cloud access

Smart Jacket

- Installs in minutes
- Zero infrastructure changes
 - No wires
 - Completely non-invasive
- Automatic status updates



Our Partner ••••

EET puts the “smart” in Smart Jacket. Their scientists specialize in harnessing technology, such as non-invasive sensors, wireless, and remote monitoring, to help industrial facilities truly realize their energy savings.



Learn More!

Visit IstarEnergySolutions.com
 Call Andrew Martin at (717) 989-9609
 Email andymartin@irexcorp.com

