

THERMOWELLS

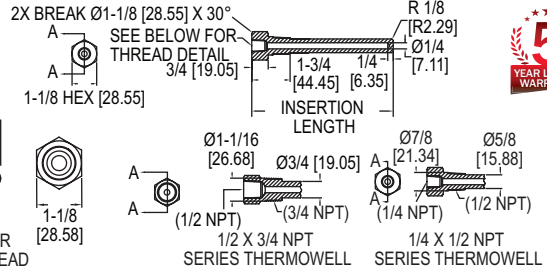
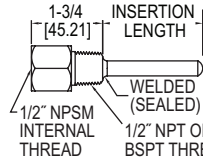
Thermowells for Building Automation Temperature Sensors



Machined thermowell



Fabricated (welded) thermowell



The **Series TE-TNS Stainless Steel Thermowells** are used to separate the instrument from the surrounding media. When used with the Series TE and TE-I Immersion Temperature Sensors, further protection is offered from aggressive media, high pressures, and flow rates while allowing for quick and easy installation of temperature sensors without having to drain process media. Thermowells are offered in both 304 and 316 stainless steel allowing for superior corrosion resistance. Fabricated, or welded, thermowells are constructed from a tube that is closed at the tip by a welded solid tip. Solid-machined thermowells are manufactured from barstock.

FEATURES/BENEFITS

- Configurable materials and sizes
- Fabricated (welded) or machined construction
- 1/2" or 3/4" NPT process connections

APPLICATIONS

- Building automation
- Chiller or boiler loops
- Chemical industry or process technology

| MODEL CHART | | | | | | |
|----------------------------------|--------|----|-----------------------------------|----------------|----------------|--|
| Example | TE-TNS | -N | 9 | 5N | -14 | TE-TNS-N095N-14 |
| Series | TE-TNS | | | | | Stainless steel thermowell |
| Thread Type | | N | | | | NPT |
| Length | | | 2.5 04 06 09 12 18 | | | 2.5" 4" 6" 9" 12" 18" |
| Material & Construction | | | | 3N 4N 5N | | 304 SS fabricated (welded) 304 SS machined 316 SS machined |
| Connection (Internal & External) | | | | | 00 12 14 | 1/2" NPSM / 1/2" NPT 1/2" NPT / 3/4" NPT 1/4" NPT / 1/2" NPT |

SPECIFICATIONS

Maximum Pressure: Fabricated: 140 psi; Machined: 304 SS: 3700 psi; 316 SS: 5500 psi.
Maximum Temperature: Fabricated: 1000°F (538°C); Machined: 1200°F (648°C).
Construction: Fabricated (welded) or machined model specific.

MODEL CHART

| Model | Material | Length | Construction | Connection (Internal/External) |
|-----------------|----------|--------|--------------|--------------------------------|
| TE-TNS-N044N-14 | 304 SS | 4" | Machined | 1/4" NPT / 1/2" NPT |
| TE-TNS-N044N-12 | 304 SS | 4" | Machined | 1/2" NPT / 3/4" NPT |
| TE-TNS-N064N-14 | 304 SS | 6" | Machined | 1/4" NPT / 1/2" NPT |
| TE-TNS-N064N-12 | 304 SS | 6" | Machined | 1/2" NPT / 3/4" NPT |
| TE-TNS-N094N-14 | 304 SS | 9" | Machined | 1/4" NPT / 1/2" NPT |
| TE-TNS-N094N-12 | 304 SS | 9" | Machined | 1/2" NPT / 3/4" NPT |
| TE-TNS-N124N-14 | 304 SS | 12" | Machined | 1/4" NPT / 1/2" NPT |
| TE-TNS-N124N-12 | 304 SS | 12" | Machined | 1/2" NPT / 3/4" NPT |
| TE-TNS-N045N-14 | 316 SS | 4" | Machined | 1/4" NPT / 1/2" NPT |
| TE-TNS-N045N-12 | 316 SS | 4" | Machined | 1/2" NPT / 3/4" NPT |
| TE-TNS-N065N-14 | 316 SS | 6" | Machined | 1/4" NPT / 1/2" NPT |
| TE-TNS-N065N-12 | 316 SS | 6" | Machined | 1/2" NPT / 3/4" NPT |
| TE-TNS-N095N-14 | 316 SS | 9" | Machined | 1/4" NPT / 1/2" NPT |
| TE-TNS-N095N-12 | 316 SS | 9" | Machined | 1/2" NPT / 3/4" NPT |
| TE-TNS-N125N-14 | 316 SS | 12" | Machined | 1/4" NPT / 1/2" NPT |
| TE-TNS-N125N-12 | 316 SS | 12" | Machined | 1/2" NPT / 3/4" NPT |
| TE-TNS-N253N-00 | 304 SS | 2.5" | Fabricated | 1/2" NPSM / 1/2" NPT |
| TE-TNS-N043N-00 | 304 SS | 4" | Fabricated | 1/2" NPSM / 1/2" NPT |
| TE-TNS-N063N-00 | 304 SS | 6" | Fabricated | 1/2" NPSM / 1/2" NPT |
| TE-TNS-N083N-00 | 304 SS | 8" | Fabricated | 1/2" NPSM / 1/2" NPT |
| TE-TNS-N123N-00 | 304 SS | 12" | Fabricated | 1/2" NPSM / 1/2" NPT |
| TE-TNS-N183N-00 | 304 SS | 18" | Fabricated | 1/2" NPSM / 1/2" NPT |