



# Thermowell insertion without source depressurization!

The Direct Drive Model 752™ thermowell probe can be inserted and retracted from a pressurized source through a full port valve without a special insertion device or the force and bulky equipment associated with pneumatic or hydraulic methods. Its adjustable insertion depth up to the maximum specified probe length allows precise positioning of the probe tip within the pipeline or process.

Included with the Model 752 is an industrial 3 wire configuration RTD probe. The temperature probe is spring loaded to ensure proper contact with the thermowell and its aluminum connection head has a snap locking flip top cover for easy access to the wiring.



Technical Specifications	
Maximum Pressure Rating	NPT: 3750 psig (258.6 bar) Unibody flanged: ANSI classification specific
Temperature Ranges	-35°F (-37.2°C) to 225°F (107.2°C)
Port Size	Auxiliary: 1/8" female NPT with vent valve installed from factory
Probe Lengths (for other lengths contact the factory)	L: 8", 12", 18", 24", 36", 48"(custom) A: ~ 23", 27", 33", 39", 51", 63" (refer to L & A dimensions on back)
Process Connection	3/4", 1", 1.5" NPT or unibody flanged (1" NPT or larger process connection required for welding)
Valve Requirement (customer provided)	Straight-through path with minimum bore of 0.75" (1.91 cm)
RTD Specifications	1/8" diameter stainless steel sheath 1/2" NPT conduit connection 100 Ω Class "A" DIN Platinum European curve (α = 0.00385)
Wetted Materials	*Machined parts: 316/316L stainless steel / NACE compliant and Kevlar® threaded bushing All other metal parts: stainless steel / NACE compliant Sealing material: PTFE/Neoprene rubber standard <i>*Other materials available on request.</i>

## Product Brief

### Applications

- Retractable thermowell probe for measuring gas temperature
- Gas sampling of mixtures containing less than 30% hydrogen

### Benefits

- Easy, quick, and safe insertion and extraction from a pressurized source without a special insertion device
- RTD included with thermowell
- Field serviceable packing gland seal
- Velocity tested at CEESI flow lab up to 200ft/sec

### Features

- Patented insertion method
- Patented harmonic resonance dampening design
- Adjustable length with threaded or flanged process connection
- Proprietary antifriction coating with internal thread die
- Optional speed wrench for faster installation

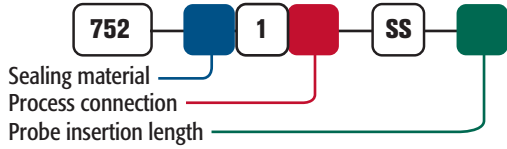


## Model Numbering & Additional Part Numbers

Your model number is determined by your specific needs. Choose options below.

<b>Sealing material</b>	0 = PTFE/Neoprene rubber	J = RGD resistant HNBR	(other materials available upon request)
<b>Process connection</b>	3 = 3/4" NPT	4 = 1" NPT	6 = 1.5" NPT
<b>Probe insertion length (L)</b>	8, 12, 18, 24, 36, 48 inches (24" maximum for exotic materials)		
<b>Sealing material replacement</b>	Part # 75X-570	(sold separately)	
<b>Speed wrench</b>	Part # ACC-SW	(sold separately)	

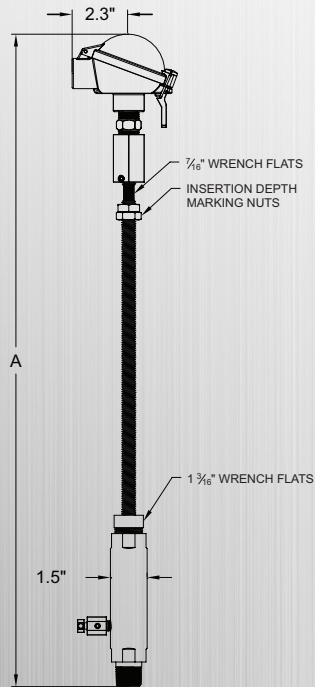
How to build the model number:



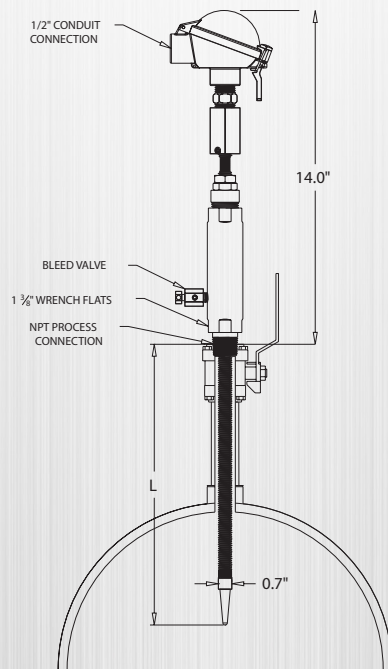
Not designed for external fire. Prior to use in a system, a properly sized relief device is to be installed which limits the use to 110% of the MAWP.

## Dimensions

Uninstalled



Installed



Local Distributor

A+ Corporation is the leader in Analytically Correct™ Sample Extraction and Conditioning Systems.

Contact us for expert product application assistance.

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