



372A2221 Series Exhaust Gas Thermocouples

FOR FRAME 7 AND 9 GAS TURBINE APPLICATIONS

THERMOCOUPLES

The AMETEK 372A2221 Series Exhaust Gas Thermocouples for Frame 7 and 9 applications have been designed, fully tested, and qualified to meet OEM specifications. AMETEK has worked closely with the OEM turbine manufacturer to qualify and engine test this thermocouple as a direct replacement, or for upgrading older style Exhaust Gas Thermocouples.

These OEM qualified Exhaust Gas Thermocouples use type K wire, MgO insulation, and an Inconel sheath material. The thermocouple tip and junction box are hermetically sealed and have been qualified to ASTM E1652 with a leak rate of less than 1×10^{-6} cc/sec.

AMETEK 372A2221 Series connectorized thermocouples use a circular, channeled, connector mating to an anti-vibration fitting on the mating cable. The ease of this new connection reduces total errors and labor hours.

AMETEK also manufactures the full line of 362A3345 matching cables to compliment 372A2221 Series Exhaust Gas Thermocouples.



FEATURES & BENEFITS

- OEM Qualified
- Hermetically sealed to ensure a long product life and continuous accuracy.
- Material selection to eliminate seizure.
- Positive stop to ensure proper seating of thermocouple within the radiation shield.
- Quick installation – Compression fitting and bushing design allow for easy replacement.
- Connectorized cable – Fool proof installation and easier than ever cable connection.

AMETEK[®]

**POWER
INSTRUMENTS**

Experience the Power[™]

SPECIFICATIONS

TIME RESPONSE

- less than 2.5 seconds for 0.090 tip diameters

Accuracy

- $\pm 0.4\%$, for exhaust gas type thermocouples

Material

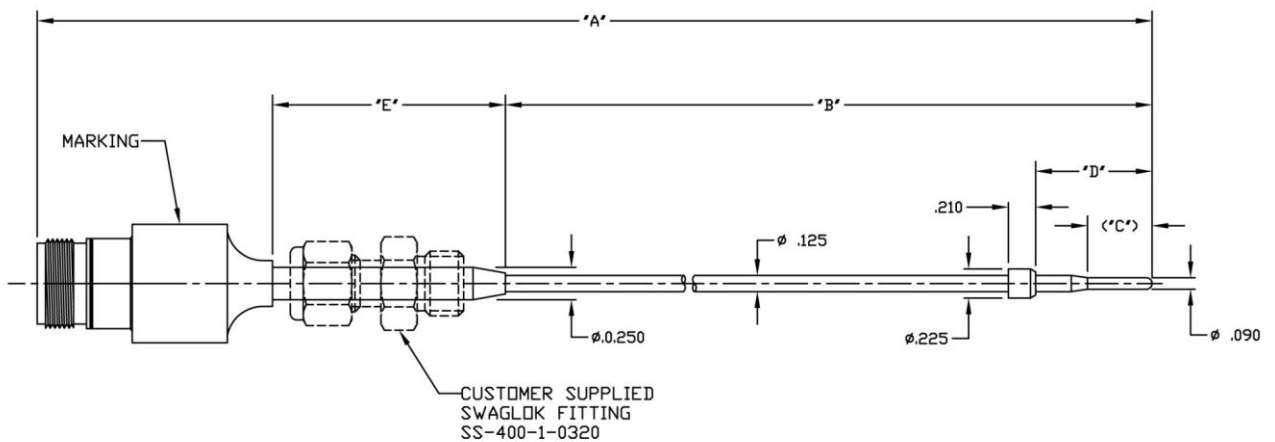
- Type K TC
- Inconel

Hermetic Seal

- 1×10^{-6} cc/sec.

Environment

- 100% Humidity for entire thermocouple



AMETEK Power Instruments also manufactures a full line of sensors for gas turbine applications. These include flame sensors, pressure transmitters, thermocouples, cables and radiation shields. For more information, please visit our website at www.ametekpower.com.



For customer support call:

AMETEK POWER INSTRUMENTS
225 North Union Street
Rochester, NY 14605
Tel: 585.263.7700
Fax: 585.454.7805
power.sales@ametek.com

U.S.A Headquarters
AMETEK Power Instruments
50 Fordham Road
Wilmington, MA 01887
Tel: 978.988.4903
Fax: 978.988.4990
www.ametekpower.com
power.sales@ametek.com

EUROPEAN Headquarters
Unit 15, Lisburn Enterprise Centre
Ballindery Road
Lisburn, Co Antrim, UK. BT282BP
Tel: +44 (0) 28.9260.4100
Fax: +44 (0) 28.9260.4141
sales@ametekuk.com

ASIA PACIFIC Headquarters
No. 43 Changi South Avenue 2
#04-01
Singapore 486164
Tel: +65 6484.2388
Fax: +65 6481.6588
sales@ametekuk.com

AMETEK Instruments India Pvt. Ltd.
1st Floor, Prestige Featherlite Tech Park
Plot 148, EPIP Phase II
Whitefield, Bengaluru 560 066
Tel: +91 80. 67823252
Fax: +91 80. 67823232
Powersales.india@ametek.com



ISO 9001 Certified