

IGNITER DATA SHEET

	TRADITIONAL IGNITERS			
	MODEL 101	MODEL 201	MODEL 271	MODEL 501
Nominal Voltage Rating	120V	120V	120V	116V
Room Temperature Resistance	40 to 400 Ω	40 to 400 Ω	40 to 125 Ω	40 to 400 Ω
Steady State Current	3.5 to 5.0 amps @ 132V	3.5 to 5.0 amps @ 132V	3.5 to 5.0 amps @ 132V	3.2 to 3.7 amps @ 116V
Time to Temperature	1800°F within 60 seconds @ 80V	1800°F within 34 seconds @ 102V	1800°F within 17 seconds @ 102V	1800°F within 40 seconds @ 116V
Max Temperature	3100°F @ 132V	3100°F @ 132V	3100°F @ 132V	2650°F (2750°F in shield) @ 116V
Turndown Temp	—	—	—	1800°F MIN @ 2.4 Amps
Element Material	Recrystallized silicon carbide	Recrystallized silicon carbide	Recrystallized silicon carbide	Recrystallized silicon carbide
Holder Material	Standard and custom designs in steatite, cordierite, and alumina			
Lead Wires and Terminals	Rated for 200°C, 250°C, 450°C, or 550°C; Various standard terminations available			
Control Systems	Compatible with all leading manufacturers' systems — no special controls needed to protect igniter			
Agency Approval	CSA approved			

MINI IGNITERS™

MODEL 301

MODEL 401

MODEL 601

12V

24V

120V

0.5 to 5.0 Ω

1.0 to 6.0 Ω

25 to 300 Ω

1.4 to 2.4 amps @ 12V

1.0 to 2.2 amps @ 24V

0.4 to 1.2 amps @ 120V

1035°C within
3 seconds @ 10.2V

1035°C within
3 seconds @ 20.4V

980°C within
5 seconds @ 102V

1580°C @ 13.2V

1580°C @ 26.4V

1580°C @ 132V

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Proprietary
ceramic composite

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controls needed to protect igniter

CSA approved

We Make The World Measurably Better

CoorsTek Igniters for Gas Ignition Systems

Since 1977, CoorsTek igniter products have delivered exceptional reliability. CoorsTek works with leading manufacturers for heating, cooking, instrumentation, and other industries requiring dependable, state-of-the-art, gas ignition.

These include 12V, 24V, and 120V control systems used in conjunction with CoorsTek igniter products.

CoorsTek igniters offer:

- Positive ignition over a wide range of gas-air mixtures and conditions
- High physical and thermal strength
- Flexible design
- Easy mounting
- Large selection of standard terminals
- CSA design-certified

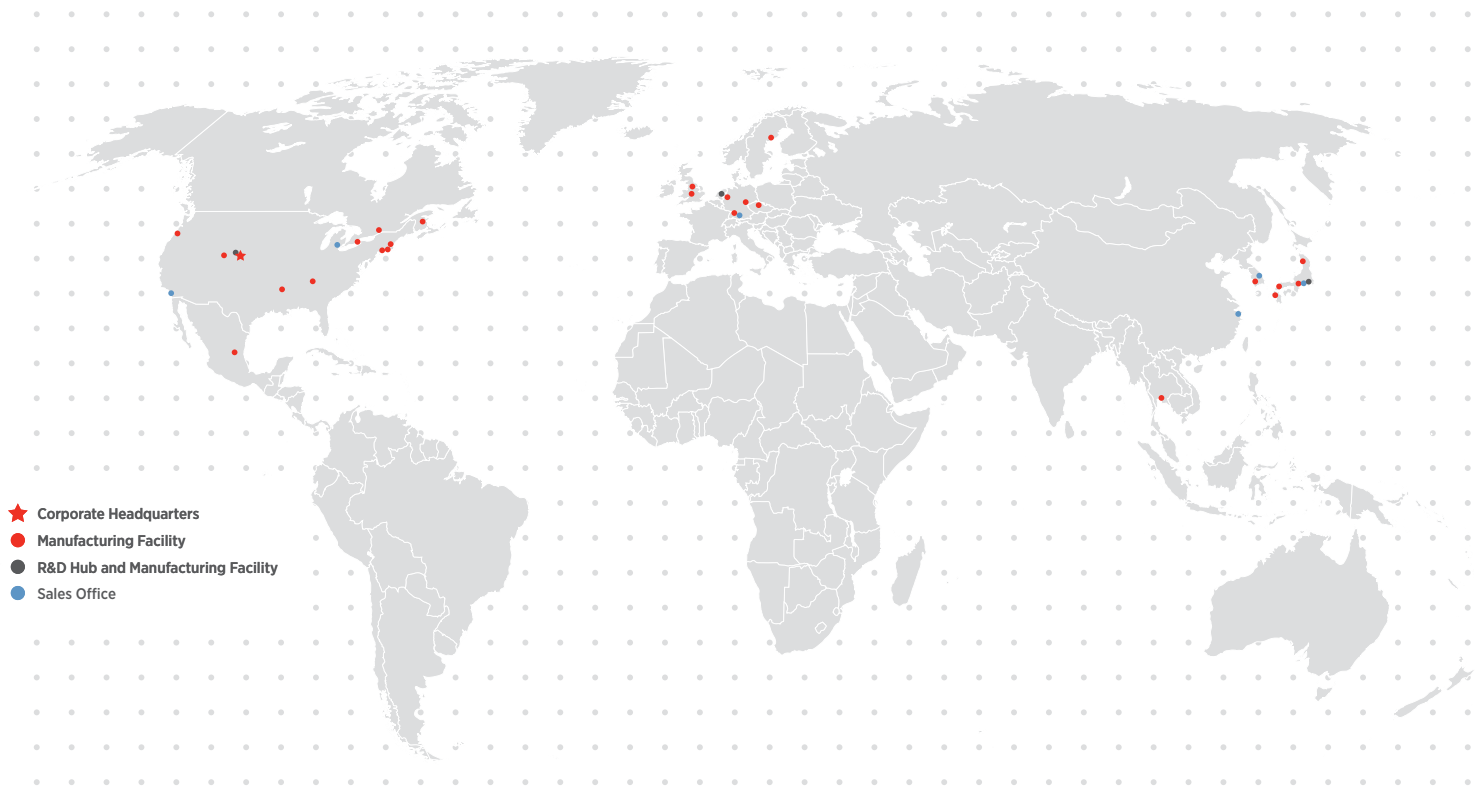
Standard mounting configurations available.

About CoorsTek

Founded in 1910 and headquartered in Golden, Colorado, CoorsTek is a fifth-generation, family owned and operated global manufacturer of engineered ceramics.

By utilizing over half of the world's known elements in our material formulations, we deliver unique solutions to our diverse customer base by leveraging ceramic properties. With more than 30 facilities across 3 continents, 5 million square feet in manufacturing space, and more than 6,000 team members, we are the partner of choice in engineered ceramics. CoorsTek Makes the World Measurably Better by providing customers with amazing solutions to complex manufacturing needs across all industry sectors around the world.

For more information on CoorsTek igniters and other engineered ceramic solutions, contact a CoorsTek representative today.



The chart is intended to illustrate typical properties. Property values vary with method of manufacture, size, and shape of part. Data contained herein is not to be construed as absolute and does not constitute a representation or warranty for which CoorsTek assumes legal responsibility. Mini Igniter is a trademark of CoorsTek, Inc. CoorsTek is a registered trademark of CoorsTek, Inc.



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