R.K. Instruments & Controls

TECHNICAL DATASHEET

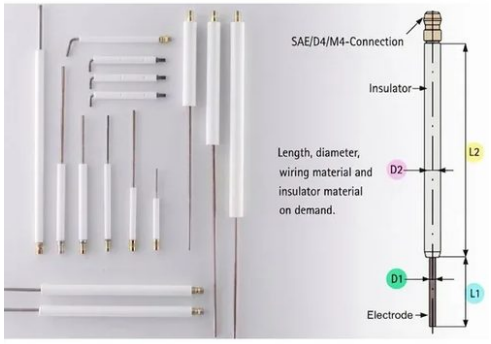
FLOW & FLAME CONTROL | Office No. 12, 1st Floor, Dhamanwala Service Complex, G.I.D.C., Pandesara, Surat - 394221, Gujarat, India
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Custom Ignition Electrode — Ignitor, Flame Rod & Sensor Probe

Brand: R.K. Instruments & Controls | Code/Part No.: Custom / Made to Order | Category: IGNITION ELECTRODES

Specifications

Product Type	**Ignition Electrode (Ignitor / Igniter / Ionization Electrode / Spark Rod /**
Insulator Diameter (D2)	**6 mm to 15 mm — per customer specification**
Insulator Length (L2)	**50 mm (2") to 1000 mm (40") — per customer specification**
Electrode Configuration	**Straight or angled (bent) tip, as per application**
Connection Type	**SAE / D4 / M4 Connection (other terminations on request)**
Terminal Thread	**SAE = 8-32 NC · M4 = M4 x 0.7 (D4 connection thread size not listed —**
Insulator Material	**Low-loss, alkali-free Steatite Ceramic (glazed or unglazed, natural**
Electrode & Wiring Material	**Kanthal A1 (FeCrAl resistance wire)**
Customization	**Length, diameter, wiring material and insulator material available on demand**
Manufacturer	**R.K. Instruments & Controls**



Description

R.K. Instruments & Controls manufactures and supplies Ignition Electrodes — also known as Ignitors, Igniters, Ionization Electrodes, Spark Rods, Flame Ionisation Probes, Flame Rods and Flame Sensors — for burner and boiler ignition and flame-proving applications. Each electrode is built to order with a tubular ceramic insulator available from 6 mm to 15 mm diameter and 50 mm (2") to 1000 mm (40") in length, with electrode and insulator lengths customised to the exact configuration required. Insulators are offered in low-loss, alkali-free steatite (glazed or unglazed, natural satin-smooth finish) or 92-95% Aluminium Oxide ceramic, with SAE, D4 or M4 connection types and straight or angled electrode tips. Wiring material, connection style and insulator grade can all be specified on demand for burner and boiler OEMs and service applications.

Typical media compatibility: CNG, PNG, LPG, Air, Nitrogen — confirm against application before installation.