

SureFire™ Battery Powered Portable Igniter



SUREFIRE™

HEP Portable High Energy Spark Igniter



The HEP portable High Energy Spark Igniter includes an electronic 2kV ignition module powered from an internal battery pack and an integrated main power charger. The unit is designed for safe hand operation for ignition of gas burners in a range of applications which include refineries and furnaces. It may also be used to light small No. 2 oil burners.

The portable device is equipped with a pushbutton to start the sparking system. To prevent accidental ignition, it is necessary to first turn the unit on, then to operate a separate pushbutton. The unit will spark until the button is released.

The ignition electrode is available in various lengths, 0.5 (HEP-IR 0.5), 1.0 (HEP-IR 1.0), 1.5 (HEPIR 1.5) meters.

The portable high energy spark igniter includes:

- 1x Power cable. Provides connection to 100 to 240V 50/60Hz.
- 1x Distance ring. Optional item, used to set the electrode insertion depth.
- 1x Carrying strap.
- 1x High energy igniter pack with igniter cable and handle.
- 1x Set of internal batteries
- (The ignition rod is not included in the scope of supply and must be ordered separately).

FEATURES:

- Selectable voltage (115/230 vac).
- Visual indication of spark operation
- Proof of spark relay
- Choice of system, Integrated or Kit or Kit with Quick Disconnect
- Thermal cutout protection integrated in transformer
- ATEX options
- Compact "co-axial" retractors
- Safety bleed resistor discharges capacitors in 120 seconds.



HIGH ENERGY PORTABLE SPARK IGNITER



Specifications:

Ignition voltage:	2 kV
Ignition frequency:	2 Spark / sec @ 4 Joules
Maximum ignition period:	30% duty cycle
Capacity:	approx. 3 h
Input voltage:	100-240V, 50/60Hz (For charging the accumulator)
Protection level:	IP 42
Allowable operation temperatures:	
Control unit:	-20°C to +65°C
Ignition tip:	+650°C
	Short time peak 800°C
Dimension (LxWxH):	210 x 120 x 90mm
Control unit:	Polyester fiberglass reinforced
Weight:	HEP approx. 3.8 kg
Igniter rod lengths:	500mm up to 1500mm (500mm - 0.7kg, 1mtr - 1.3kg, 1.5mtr - 2.0kg)
Igniter rod diameter:	15mm Stainless Steel
Max. current consumption:	1.2A
Battery type:	3000mAh ICR18650 3.7V Li-ion (Li-ion only)

Note: Refer to Bulletin CU-121 for more complete information.

Typical applications

- Petro chemical, and refineries, (frequently ATEX style).
- Heaters, Reformers. Metal industries, Kilns.
- Power burners, Steam raising plants.
- Direct, and pilot ignition. Paper industry
- Black liquor boilers

Fireye is a leading manufacturer of flame safeguard controls and burner management systems for commercial and industrial applications throughout the world. Our products can be found in a variety of public buildings, commercial properties, power plants, pulp and paper mills, petrochemical facilities and food processing plants. Fireye is a part of Carrier (NYSE: CARR).



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