



## LAMTEC High Energy Igniters

**HEI 500**  
**HEI 600**



Sensors and Systems for Combustion Engineering

[www.lamtec.de](http://www.lamtec.de)

# LAMTEC High Energy Igniters

## Basis HEI500 and High -End HEI600

### Application

- Ignites Liquid and Gaseous fuels in Burners of Any Capacity
- Compact Design: Control Unit and Ignition Lance are one Unit
- 100% waterproof
- In Conjunction with NFPA 8501/8502 Class 3 Special (Electrical Igniter)
- Available for Hazardous Areas
- Good spark at long distance because of the long lance

## Basis HEI500

### Technical Data

- |                                     |  |
|-------------------------------------|--|
| ■ Energy (J):                       | 18                                     |
| ■ Spark / sec. (J):                 | 2                                      |
| ■ Ignition energy / sec. (max) (J): | 36                                     |
| ■ Power Supply:                     | 115 / 230 VAC 50 Hz (60 Hz on request) |
| ■ Ambient temp.:                    | -20 °C ... +60 °C                      |
| ■ Explosion Protection:             | IP 65/66 Safe Area                     |



Cast Steel house



Control Unit and Ignition lance

# High -End HEI600

## Technical Data

■ Energy (J):	10
■ Spark / sec. (J):	26
■ Ignition energy / sec. (max) (J):	260
■ Power Supply:	115 / 230 VAC 50 Hz (60 Hz on request)
■ Ambient temp.:	-20 °C ... +60 °C
■ Explosion Protection:	IP 65/66 Safe Area

## Scope of supply



Cast steel house with control unit and control and ignition lance

# Ignition lance

## Technical Data

- Max. Length: 3 m
- Base length: 300 mm
- Add.length: 300 mm (each)
- Outer Diameter: 16 mm
- Easy replaceable Ignition Tip: standard + special



# Retraction device

## Criteria of using the pneumatic retraction device:

- Ignition Inace is permanently exposed above 600 °C
- The ignition tip is exposed at permanent temperature of above 720 °C (standard ignition tip)
- The ignition tip is exposed at permanent temperature of above 1,000 °C (standard ignition tip)
- High pollution in process

