



## 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

## BASIC HEI500 and High-End HEI600

### Application

- Ignites liquid and gaseous fuels in burners of any capacity
- Compact design: Control unit and ignition lance form one unit
- 100% waterproof
- Suitable for Class 3 especially according to NFPA 8501/8502 for electrical ignition devices
- Available for Hazardous Areas
- High spark intensity even with long ignition lances

## BASIC HEI500

### Technical Data

- |                         |  |
|-------------------------|--|
| ■ Ignition energy:      | 18 Joule                                       |
| ■ Ignition frequency:   | 2 Hz   |
| ■ Power supply:         | 115/230 VAC 50 Hz (60 Hz on request)           |
| ■ Ambient temp.:        | -40 °C ... +60 °C                              |
| ■ Input power           | 110 W (at 2 sparks per second)                 |
| ■ Explosion protection: | Ex-Zone II for electrical power unit available |
| ■ Degree of protection: | IP65   |



Steel or sheet steel housing  
with control unit



Ignition lance

# High -End HEI600

## Technical Data

- Ignition energy: 10 Joule
- Ignition frequency: 26 Hz
- Power supply: 115/230 VAC 50 Hz (60 Hz on request)
- Ambient temp: -40 °C ... +60 °C
- Input power 724 W (at 26 sparks per second)
- Explosion protection: Ex-Zone II for electrical power unit available
- Degree of protection: IP65 / IP66



Cast steel housing with control unit and ignition lance

# Ignition lance

## Technical Data



- Available length: Up to 13 m\*
- Minimum length: 300 mm
- Additional length: 300 mm (each)
- Outer Diameter: 16 mm
- Easy to replace ignition tip: Standard + special

\* at overlength the parts are also partly rigid partly flexible

# Retraction device

## Criteria for the use of the pneumatic retraction device

- Ignition lance is permanently exposed above 600 °C
- The ignition tip is exposed at permanent temperature of above 1.000 °C (special ignition tip)
- The ignition tip is exposed at permanent temperature of above 720 °C (standard ignition tip)
- High pollution in the combustion



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