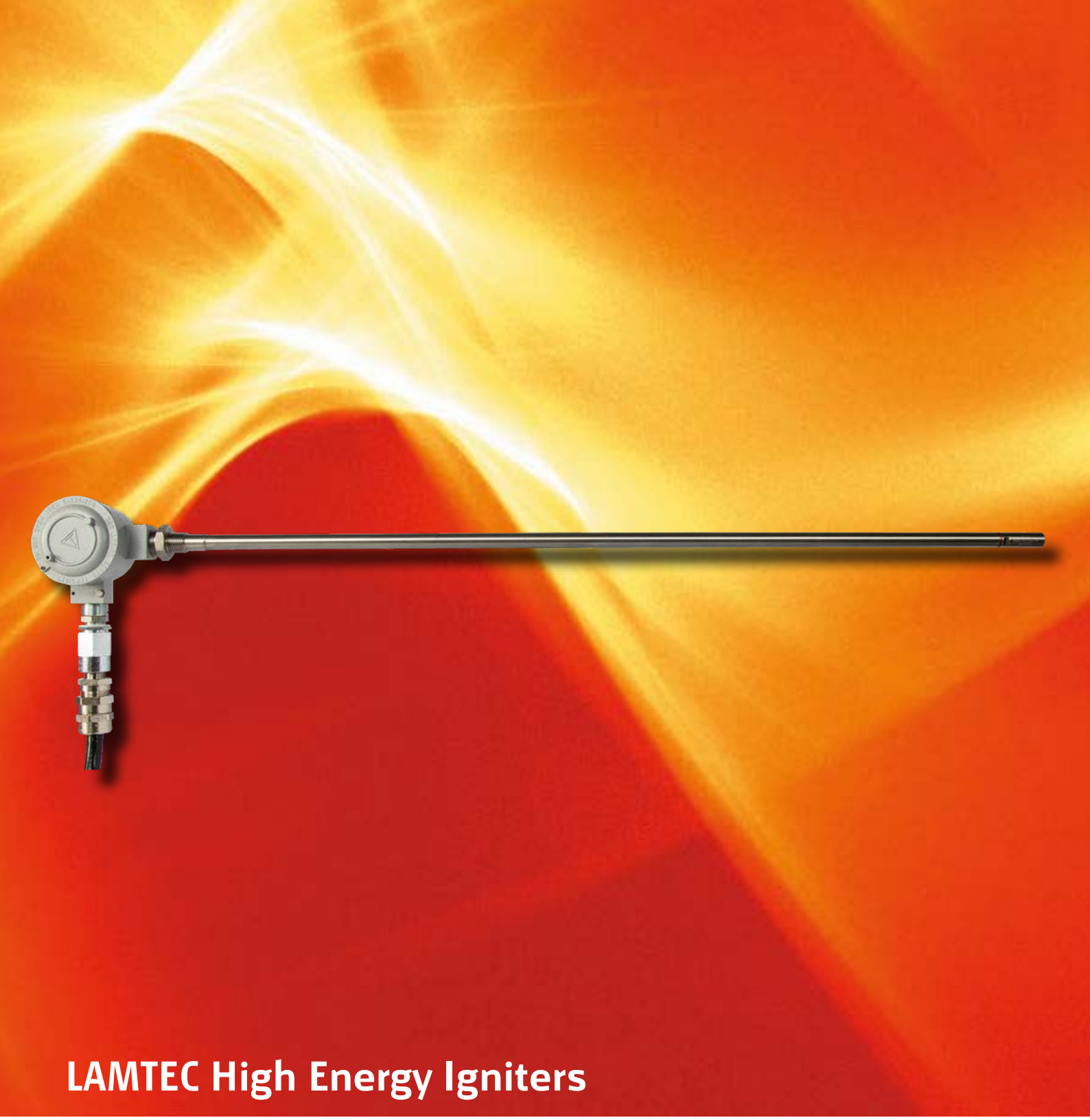


LAMTEC High Energy Igniters

HEI 500
HEI 600

LAMTEC

Sensors and Systems for Combustion Engineering

www.lamtec.de

LAMTEC High Energy Igniters

BASIC HEI500 and High-End HEI600

Application

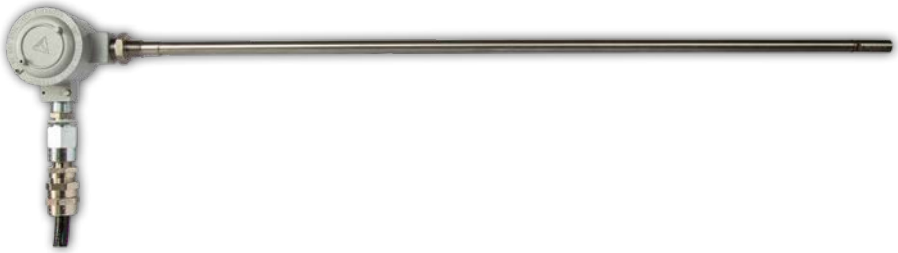
- Ignites liquid and gaseous fuels in burners of any capacity
- Compact design: control unit and ignition lance combine as one unit
- 100% waterproof
- Suitable for Class 3 especially according to NFPA 8501/8502 for electrical ignition devices
- Available for Hazardous Areas
- High intensity sparks over long distances due to long 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 I for electrical power unit available
Degree of protection:	IP65

Steel or sheet steel housing with control unit

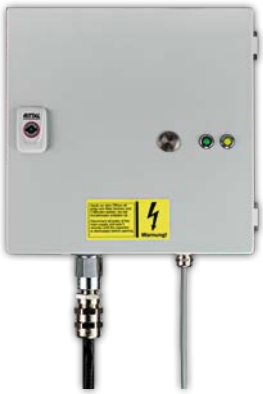


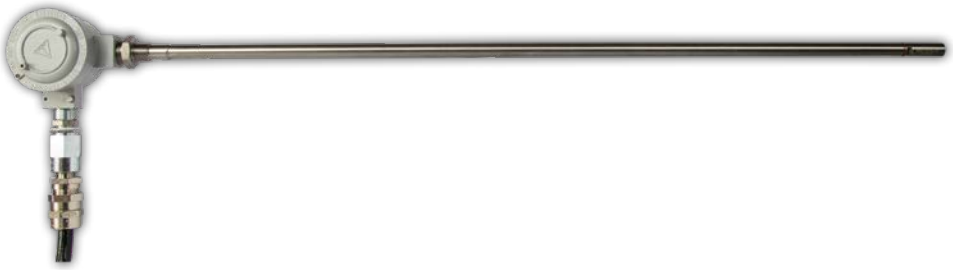
Ignition lance

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 I for electrical power unit available
- Degree of protection: IP65 / IP66

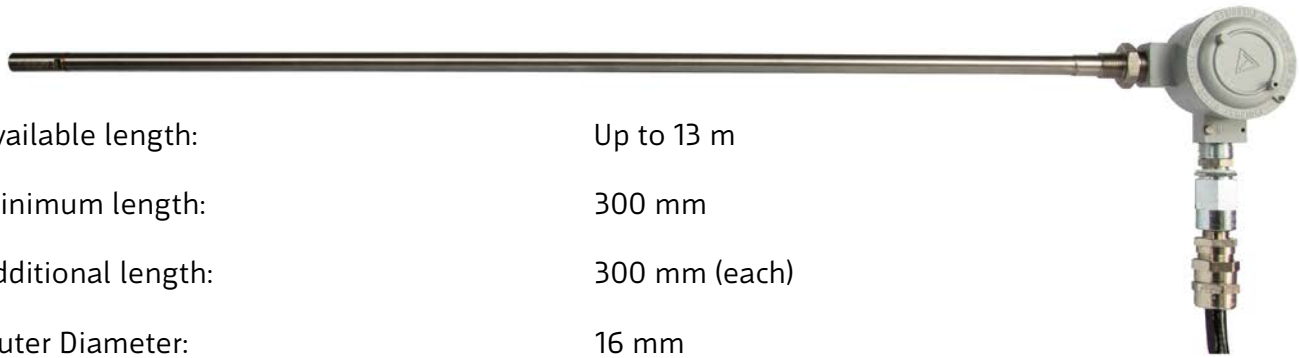




Cast steel housing with control unit and ignition lance

Ignition lance

Technical Data

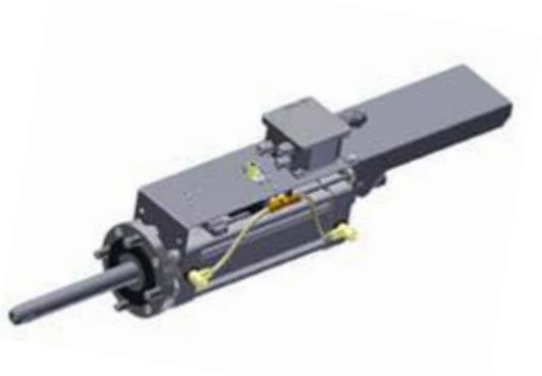


- Available length: Up to 13 m
- Minimum length: 300 mm
- Additional length: 300 mm (each)
- Outer Diameter: 16 mm
- Easy to replace ignition Tip: Standard + special

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



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