

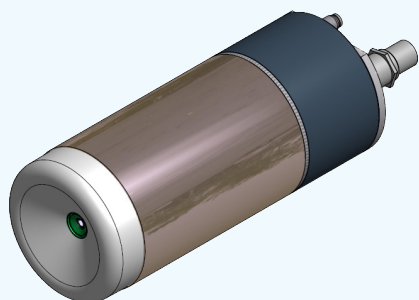


HTV-0110S Water cooled furnace camera

Process monitoring in hot zone area



PRODUCT FEATURES



- Stationary
- Diameter: 110 mm
- Water cooled housing with ceramic housing tip
- Superior signal-to-noise ratio
- Air purging of the front lens

The observation of the flames in the combustion chamber of incinerators, the camera technology remains a major challenge in terms of greatly varying combustion chamber situations and fuels. There is a very large brightness dynamic range between the flames and directly adjacent slag. It is essential to monitor both the burning zone with the flame pattern and the burned slag on the way over the grate to the discharge zone. In particular,

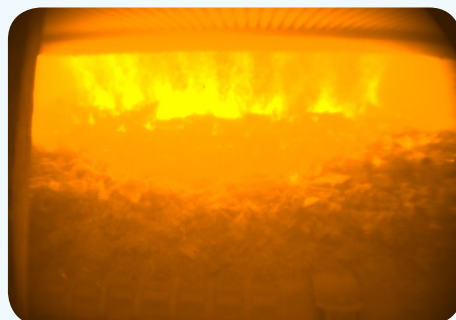
the accumulation of slag must in time be clearly visible so that it does not come to the disruption of continuous operation.

PRODUCT HIGHLIGHTS

- Stationary system
- Useful length up to 300 mm
- Logarithmic GigE-Camera
- 1.4 Megapixel with 1" CMOS chip
- Pinhole lens with 2.8 mm focal length (80° horizontal / 60° vertical)
- Up to 120 dB dynamic range
- 12 bit gray scale

APPLICATIONS

- Monitoring of the flames in the combustion chamber of incinerators
- Observation of slag transport or accumulation
- Timely detection of disturbances in the combustion chamber
- Automatic image analysis for plant optimization



>combustion chamber

Insight into a combustion chamber with two situations of the flames

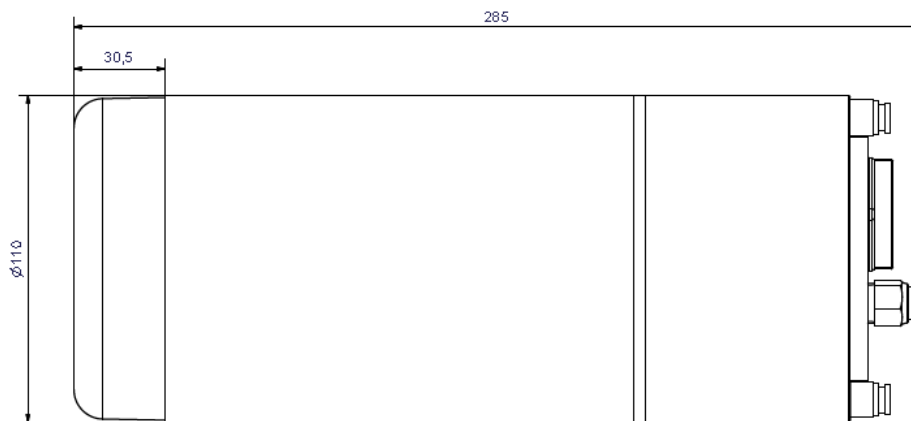


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MEASUREMENTS



> SPECIFICATION

VIDEOSCOPE

Dimensions of HTE-0110S-285	L = 254.5 mm , GL = 285 mm
Isolation material	Ceramic
Compressed Air	1 – 5 nm ³ /h Klasse 1 nach ISO 8573-1:2010
Cooling Water	softened , 2 l/min, Temperature < 30°C
Temperature range	300° C - 1300° C
Camera	GigE RJ 45 IP 66 protection

ELECTRICAL SPECIFICATIONS

Electrical power supply	12 V DC 20 W
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