MOBILE-INSPECTION-HD

Mobile HD Furnace Chamber Inspection System

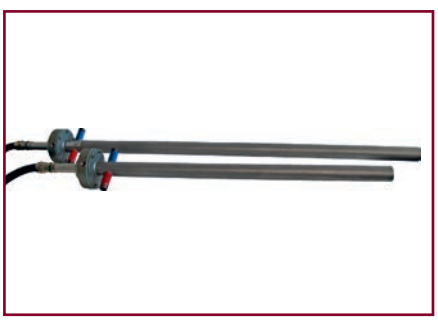
FUNCTIONALITY

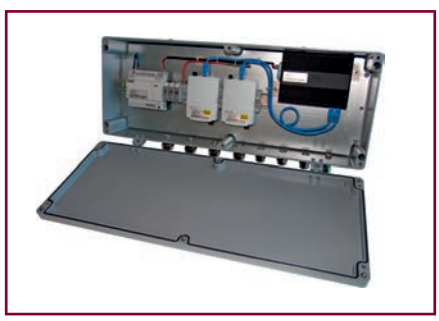
The new furnace chamber inspection system „MOBILE-INSPECTION-HD“ provides the end user complete IP-based system for verification of furnaces in many different designs.

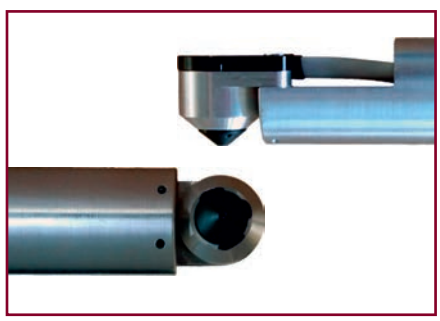
The system consists of optimally matched to each other components to the simplest possible application and flexible use to ensure. For this purpose, the system is designed for use in hot areas. Using water cooling and air purge of the furnace probe, the system can be used in a temperature of up to 2,000°C. The air-cooled connection box can provide two inspection cameras simultaneously with data and supply power (PoE switch).

OVERVIEW STANDARD COMPONENTS

- Furnace probe 90 ° radial / axial light with 40 mm Ø and 1100 mm length, 8 kg
- Custom lengths are possible
- Boiler Inspection 90 ° radial / axial with HD resolution
- Max. 6 m heat protection hose from camera to connection box (depending on probe length)
- Camera connection box IP with PoE switch including power supply, DIN rail for receiving
- Max. 2 basic units for furnace probe cameras, air cooling optional







MOBILE-INSPECTION-HD - OPTIONS

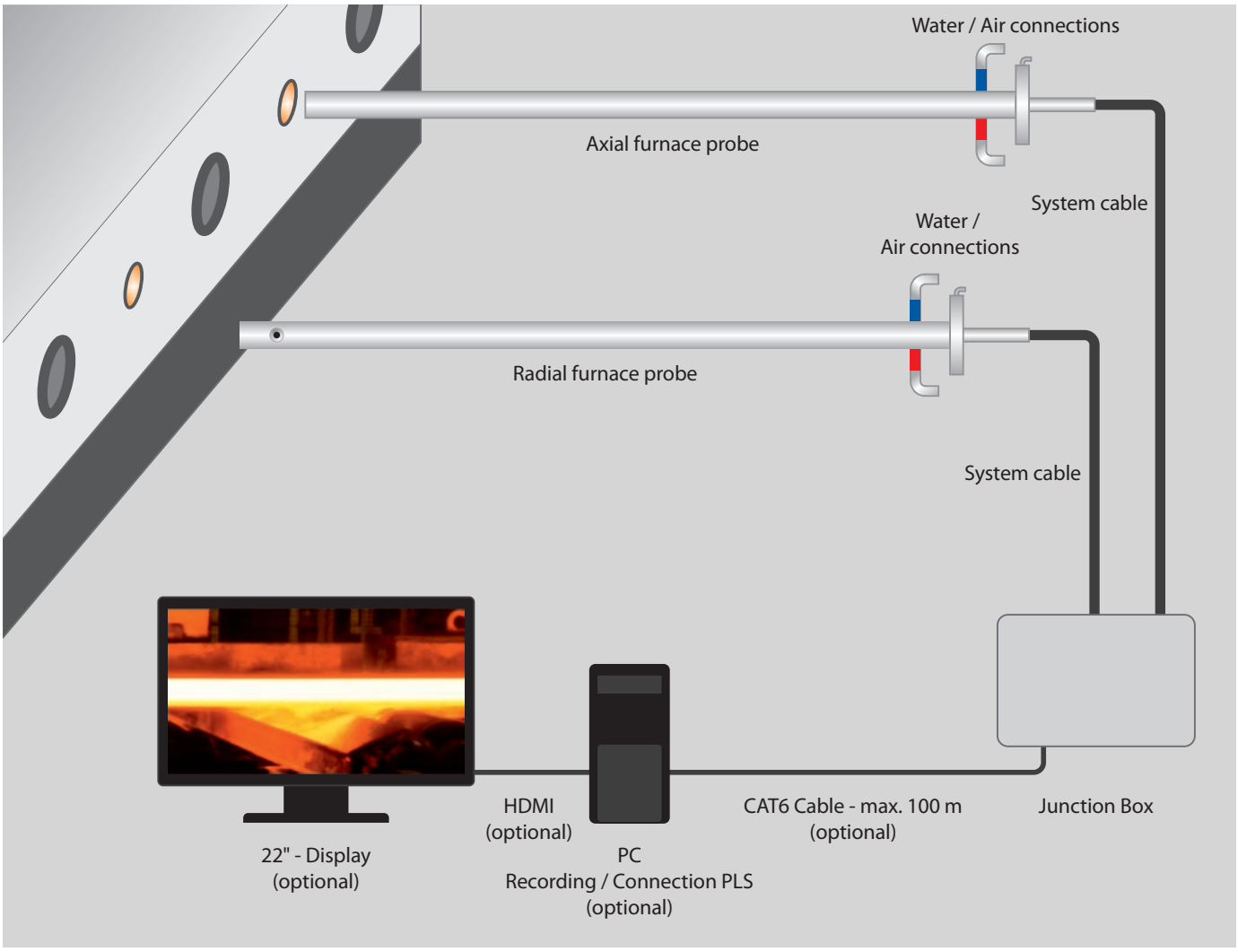
Optional components

- 1-Port Profibus interface for integration into process control systems (PCS), requires additional programming for e.g .:
  - Storage of the videos by order number under certain filenames
  - Automated recording by start / stop signal from PLS
- Fiber optic components, to bridge larger distances between terminal box and network nodes
- rolling cabinet for installation of display components and network technology
- Edge recording via SD card (memory max. 64 GB)

Versatile applications

- Visual inspection of e.g. coated rolls in the oven (see outbreaks)
- Visual inspection of refractory linings
- Visual inspection of surfaces of various materials
- Visual inspection of burners and flame (possibly more filters necessary)

Many other applications are conceivable.



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