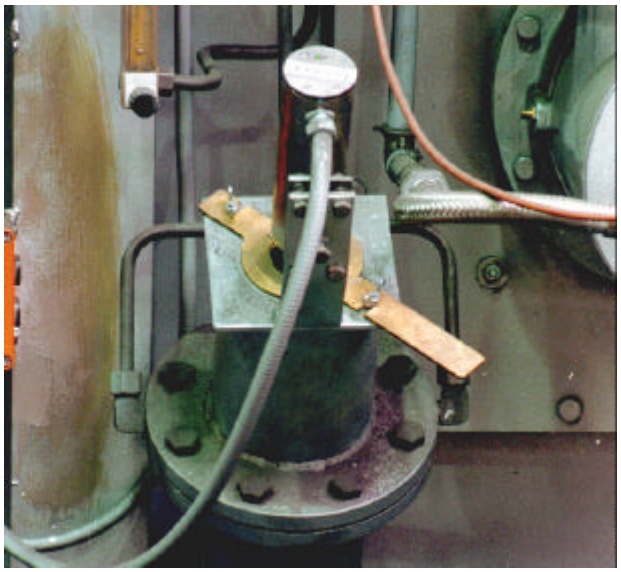
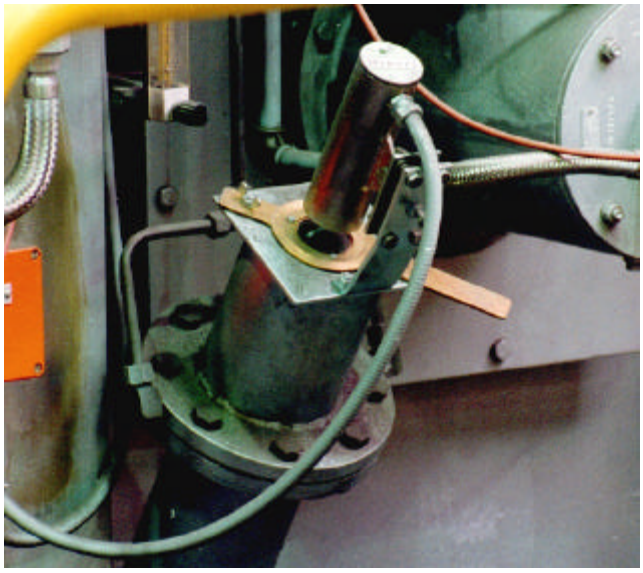
Proxitron®
Sensoren für Automation

Furnace Windows for Light Barriers HL 133

For material monitoring of objects within industrial furnaces Proxitron supplies light barriers the function of which is not affected even by furnace temperatures considerably higher than 1200 °C. In combination with the time-tested furnace window HL 133 a sensor system results which requires little maintenance and which corresponds to the requirements of the plant manufacturers and users.





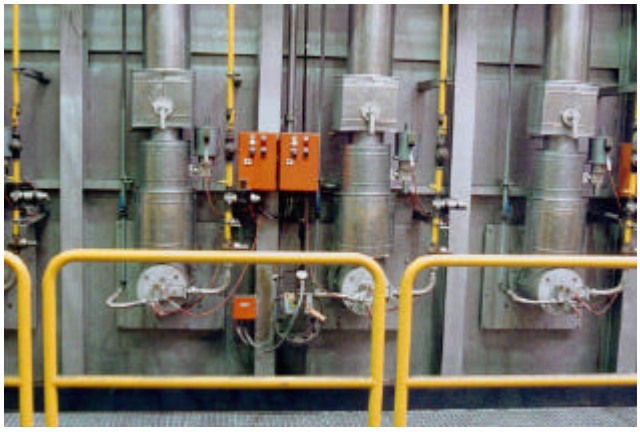
- Avoiding of contamination, clouding and destruction of the window.
- Calming of the furnace atmosphere by flush-gas connection (ejector effect)
- Dust protection tube incorporated
- Snap closure for cleaning and replacement
- Simple preparation and mounting in the furnace wall in random position
- Incl. mounting device for light barrier

Technical Data

Connection	Flange ND16 NW80 DIN 2527
Inside aperture	d = 54 mm
Flush gas connection	2 x 3/8“, pressure 50 to 500 mmwc
Casing	steel, hot galvanized,approx.10kgs
Mounting device	depending on light barrier, pls. state type
Replacement glass	Tempax, d = 58 mm x 4 mm

Description

By means of two furnace windows the free view through the industrial furnace is created. By means of steel tubes a suitable boiling tube with flanges is welded into the furnace wall and the furnace window is mounted by means of 8 screws (M16 x 6 incl. washers, lockwashers and nuts). For each flange 2 flush-gas connections are to be provided by which reduced compressed air or an inert gas is supplied. You only need a few litres per hour of the compressed air or inert gas. By means of the adjusting screw the ejector effect can be improved at removed glass pane. Then the glass pane is to be mounted again. When removing the glass pane the light barrier is to be protected accordingly.



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