



FRO-MP-1170-xx-IR-HT

Furnace Mega-Pixel Lens for Flexible Applications

FUNCTIONALITY

Up to now, the monitoring of combustion chambers by means of probes required a wide variety of lenses to adequately capture the required viewing angle depending on the application.

The mega-pixel lens developed by PIEPER can be used flexibly for many applications and already includes a heat protection and infrared screen filter as well as other internal mounting options for additional filters.

Thanks to the optical manual zoom, the FRO-MP-1170 delivers brilliant images even with challenging probe positioning in the furnace.

The lens is available in different sizes and thanks to the C-Mount very flexible and suitable for many camera sizes. Even older, already existing systems can be equipped with PIEPER's own lens to deliver high quality images from the furnace.

A shifted focal point of the lens ensures that only a small pin-hole is necessary for a probe tube, which reflects in the durability and reduced maintenance intensity of a system.

MAIN FEATURES

- Viewing angle horizontal: 58° - 96°; vertical: 33° - 58°; diagonal: 70° - 110°
- HT-22.5-2.0-1000 heat protection screen (replacable)
- IR-22.5-2.0 infrared filter disc (IR Cut filter)
- Ventilation ducts on front side
- Internal mounting for additional filters
- Dimensions: L: 280 mm x Ø 47 / 58 / 78 mm

FRO-MP-1170-XX-IR-HT - TECHNICAL DATA

FEATURES	
Sensor	2/3"
Focal length	10 - 40 mm
Resolution	3 MP
Viewing angle	Horizontal: 58° - 96°; vertical: 33° - 58°; diagonal: 70° - 110°
Image format	16:9
Aperture range	F1 - 1.8
Aperture control	Manually
Focus control	Manually
Zoom control	Manually
Equipment	IR-22.5-2.0 IR filter disc HT-22.5-2.0-1000 heat protection screen
Operating temperature	0 - 55°C
Mount	C
Dimensions	Length: 280 mm x Ø 47 / 58 / 78 mm



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