

S55XBE Series Viewing Heads

The ideal solution for monitoring all fuel types.

S55XBE series viewing heads are used with P522, P531, and P532 signal processors. Multiple sensor options of IR, UVTron, and IR/UV offer flexibility to meet a wide array of applications. The system is not adversely affected by x-rays and gamma rays during operation making them ideal for monitoring all fuel flames and single or multiple burners firing multiple fuels.

Features

- Multiple models (IR/UV, IR only, and UVTron only) offer application flexibility.
- All models include electronic check (no mechanical shutter) for self-check of the system.
- Numeric two-digit display for each sensor on the back of the viewing head provides UV and IR flame count.
- Quick disconnect cable (order separately) for non-PF models. PF models provided with factory installed cable.
- Mountable in any orientation.
- Includes imbedded temperature sensor.

Specifications

- **Input power:** 24 VDC supplied from the processor.
- **Ambient temperature:** -40°F to 158°F (-40°C to 70°C). NEMA 4X rated.
- 1inch NPT mounting.
- Not adversely affected by x-rays and gamma rays.

Approvals

- FM, CSA, EAC
- IEC Ex, INMETRO, KTL
- Class I div 2 groups A, B, C and D, T5
- IEC Ex nA IIC T5 Gc
- Fit for use in SIL 3 applications



Model Part Number	Sensor Type	Description
S550BE	IR/UV	Quick disconnect cable. Suitable for all fuels.
S550BE-PF	IR/UV	Factory installed cable. Suitable for all fuels.
S552BE	IR	Quick disconnect cable. Suitable for oil and coal.
S552BE-PF	IR	Factory installed cable. Suitable for oil and coal.
S556BE	UVTron	Quick disconnect cable. Suitable for clean gaseous fuel.
S556BE-PF	UVTron	Factory installed cable. Suitable for clean gaseous fuel.

S70X Approximate Dimensions:

8.82in Length (224 mm) x 4.05in Diameter (103 mm).
Powder coated aluminum body.