



PRODUCT DATA SHEET: MODEL S552B



Product Description:

The S552B is for IR sensing only. It is basically an S550B without UV capability. The P520, P522, P531 or P532 signal processor will be aware of which viewing head of the S55xB family is connected to it so that only those adjustments which are appropriate to the S552B will be made available to the operator. These adjustments apply to the S552B:

- Filter Selection 1-8
- IR gain 0-699

When it comes to features like "CAL", the operator is given only those choices which are appropriate. For example, the operator does not have to choose between calibrating with the UV sensor or the IR sensor; in "CAL" but is only offered the choice of calibrating with the IR sensor.

IRIS Model	Type	Gas (Hydrogen, Propane, NG)	Gas Low NOx Burners	Oil (Heavy Oil - Air & Steam atom)	Low NOx Pulverized Coal
S550B	UV/Ge	Discrimination Excellent	Discrimination Good	Discrimination Excellent	Discrimination Excellent Signal Very Good
S552B	Ge	Discrimination Good Signal Good	Discrimination None Signal Fair	Discrimination Very Good Signal Good	Discrimination Good Signal Good
S556B	UV	Discrimination Excellent Signal Good	Discrimination Good Signal Good	Discrimination Excellent Signal Poor	Discrimination Excellent Signal Very Poor

SPECIFICATIONS:

ELECTRICAL	Input Power	24VDC +/- 10%, 300mA with One S552B Viewing Head
ENVIRONMENTAL	Sealing	Viewing Head NEMA TYPE 4
	Ambient Temperature	-40° F to 122° F (-40°C to +50°C)
	Housing Temperature	-40° F to 140° F (-40°C to +60°C)
	With S580 Fiber Optics	-65° F to 572° F (-54°C to +300°C)
OPTICAL	Angle of view	IR 1.0°
		UV 3.0°
CABLE	Between Viewing Head and Signal Processor	4 conductor, #16AWG or #18AWG. One wire shielded with braided shield for flame signal such as IRIS Part Number C328 or C330
WEIGHT	Shipping Weight	3 lbs (1.4 Kg)
DIMENSIONS	Single Unit Carton	9 x 6 ½ x 7 inches
APPROVALS	The IRIS Model S552B Viewing Head has FM (Factory Mutual) approval, and CSA (Canadian Standards Association) Certification to US Standards (ANSI/UL) for Class I, Div 2, Groups A, B, C and D for Hazardous Location Applications, T5 Operating Temperature Ambient -40C to +70C, Enclosure type 4X.	