

Eclipse Self-Check UV Scanner

Model 5602-91



This scanner is used for continuous gas or oil flames. A mechanical shutter in the scanner closes briefly every ten seconds to check for a runaway scanner tube. If a failed tube is detected, the flame safeguard shuts down the system.

- UL listed for USA and Canada, FM approved
- High quality fused silica quartz lens
- Sealed aluminum housing
- Long life shutter assembly
- Automatic check every 10 seconds
- Easy plug-in connector wiring
- No scheduled replacement parts
- Operates with 5600 and VF56 series Veri-Flames, 6000 series Multi-Flame, 6500 series Bi-Flame controllers, and series 7000 Peek-A-Flame
- FM recommended for continuous applications (more than 24 hours without shutdown)

Specifications

| Parameter | Specification |
|-----------------------|--|
| Part Number | 49602-91 |
| Overall Length | 7-3/4" (197 mm) |
| Diameter | 3-1/4" (83 mm) |
| Housing Material | Aluminum |
| Finish | Clear anodized |
| Sight Tube Entrance | 1" NPT |
| Purge Air Entrance | 1/4" NPT |
| Purge Air Flow | 5 cfm, 10 psi max (140 lpm, 0.7 bar) |
| Supply Voltage | 120V +10 / -15%, 50/60 Hz |
| Supply Current | 0.04A |
| Output | Pulse frequency modulated transistor |
| Extension Wiring Type | Instrumentation cable with two pairs of individually shielded #18 AWG conductors, 300V minimum, BELDEN #9368 or equivalent |
| Temperature Range | 0° to 140°F (-20° to 60°C) case temperature |
| Shipping Weight | 4.5 lbs (2 kilograms) |
| Optical Angle of View | @ 2.5° depending on sight pipe size and length |
| Spectral Sensitivity | 185 to 260 nanometers; scanner is solar blind |
| Required Accessory | Cable with connector, 10 foot (3 m) (Part # 49602-91-7) |
| Option | Non-magnifying lens (Part # 18165) |

Dimensions in inches (mm)

