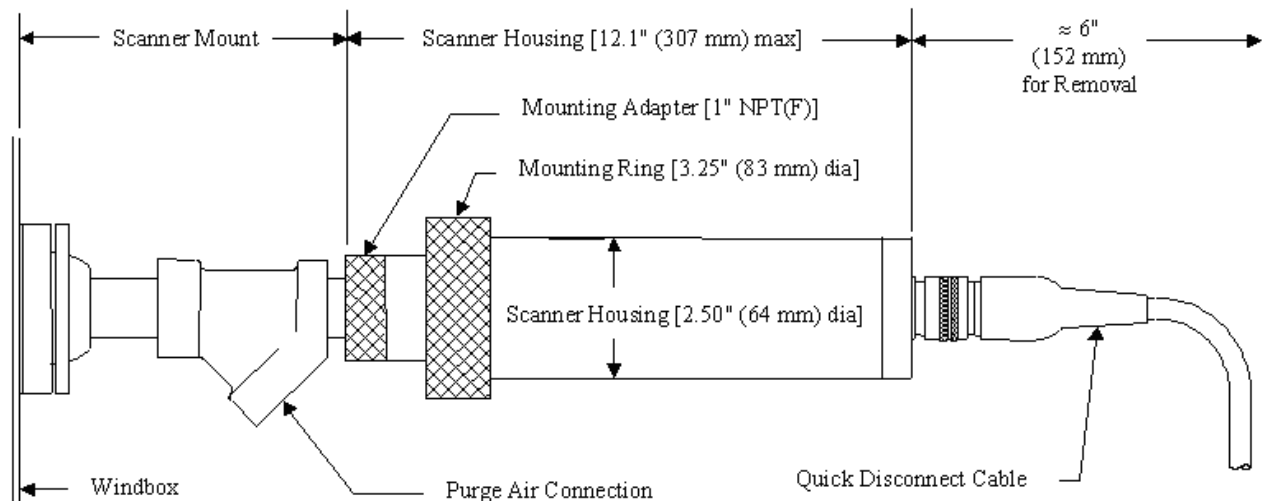


## DSF-2000-SB Flame Scanner

### Description:

The DSF-2000-SB (Digital Safe Flame-2000) flame scanner is a self-checking, fail-safe, All In One microprocessor-based system utilizing digital signal processing technology. An optical detector is used to detect flames of fossil fuels such as natural gas, refinery gas and fuel oils.



Coen Part Number 2653-213-11- NEMA 4/4x  
(Mounting Hardware is Optional)

The DSF-2000-SB flame scanner requires no field configuring, and no external signal processor (signal processor) and associated signal processor cabinet(s). Yet it offers display of flame signal, flame frequency and other operational data using any standard PC. Even DsfComm software for running on Windows 95 or higher is supplied free of charge.

### Flame Scanner Technical Specifications:

|                               |   |
|-------------------------------|---|
| <b>Power:</b>                 | 20-28 Vdc @ 2.9 VA (120 mA)   |
| <b>Electrical Connection:</b> | Quick disconnect with standard 12 ft. (3.7 m) cable.  |
| <b>Outputs:</b>               | One normally open flame relay contact and powered 4-20 mA.  |
| <b>Communications:</b>        | RS485, 127 flame scanners per loop, up to 5,000 ft. (1524 m) for display of scanner operation.    |
| <b>Factory Set:</b>           | Flame-on 2 seconds, Flame-off 1 second, Marginal flame 2 seconds<br>Gain - automatic mode         |
| <b>Environmental:</b>         | -22 degrees F to 158 degrees F (-30 degrees C to 70 degrees C)                                    |
| <b>Relative Humidity:</b>     | 100% condensing   |
| <b>Housing:</b>               | NEMA 4/4X, optional Class 1, Division 1&2, Groups B, C & D  |
| <b>Weight:</b>                | 3.4 lb (1.54 Kg) for NEMA 4/4x, 3.8 lb (1.72 Kg) for NEMA 7                                       |
| <b>Accessories:</b>           | 110VAC to 24VDC Power Supply Module PSDM (2643-064-01)<br>RS232/RS485 Converter Kit (3425-056-01) |
| <b>Approvals:</b>             | FM, UL & CSA  |

For further information please contact your Coen Representative, or:

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