



NOTES:

1. P/N: 8-XX-L-ZZ-20835B is a total (radiant plus convective) heat flux transducer which provides a linear EMF output directly proportional to the net absorbed heat transfer rate to the $\phi 1/8$ sensing tip. The standard nominal output is 10 mV at the design heat flux level 'XX' in Btu/ft²sec. Each unit is supplied with an individual calibration certificate traceable to the National Institute of Standards and Technology.

2. To order specify Model number by choosing:

- 'XX' - The design heat flux level, Btu/ft²sec
- 'L' - The housing length, inches
- 'ZZ' - Leadwire length, inches

3. Standard ranges: 2, 5, 10, 15, 20, 25, 30, 40, 50, 100, 150, 200, 250, 300, 500, 1000 Btu/ft²sec

4. Standard sensor is Schmidt-Boelter thermopile for design heat flux range up to 40 Btu/ft²sec and Gardon gage at 50 Btu/ft²sec and above. Sensor coated with optical black.

5. Lead wire is 26 AWG stranded copper with Teflon insulation over each wire, twisted pair. (White wire positive, Black wire negative)

6. Maximum allowable body temperature 400°F. May be secured into larger heat sink or water cooled model.

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| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES | | FRACTIONS ± 1/32 | | DECIMALS 2PL ± .01 3PL ± .005 | | ANGLES ± 1° | |
| MATERIAL NOTED | | HEAT FLUX TRANSDUCER | | | | | |
| FINISH | | MODEL: 8-XX-L-ZZ-20835B | | | | | |
| SCALE: | | ORIG. DWG 2/21/67 | | REV. B: WIRE SIZE IS 26 AWG 9/22/14 | | POST OFFICE BOX 412 HUNTSVILLE, ALABAMA 35804 | |
| CAD DWG 4/25/94 | | CHK. | | APP. <i>DSB</i> | | DWG SIZE B 20835 B | |
| DR. <i>CTB</i> | | | | | | SHEET OF | |