

Installation Notes

Model 14150 and 14150H ACTIVE FILM Multipliers

1. Please note: the multipliers are shipped with a protective cover over the input aperture. **Carefully REMOVE COVER during installation and avoid contact with the underlying delicate aperture grid.**
2. There are 3 electrical connections to the multiplier:
 - i. -HV,
 - ii. Signal Output and,
 - iii. Earth via the mounting bracket (refer diagram below)

ADDITIONAL NOTES FOR THE INSTALLATION AND OPERATION OF HIGH CURRENT 14150H VERSION ACTIVE FILM MULTIPLIERS

1. The high voltage supply used in conjunction with a high current ("H") version Active Film Multiplier must be capable of delivering 1 to 1.5mA of current to supply the multipliers low internal resistance.
2. Because an "H" version multiplier dissipates several watts of power a thermally conductive path must be maintained between the multiplier's mounting and the chamber walls.
3. To avoid noise due to out-gassing of absorbed water vapour, it is recommended that "H" version multipliers be exposed to vacuum for 16 hours before initial operation and the applied voltage kept below 2 kV for the initial two hours of operation after exposure to air.

