

- Complete alpha spectroscopy chain in a one-wide NIM module
- Includes preamplifier, amplifier, bias supply, and discriminator
- Lowest cost per input for non-NIM vacuum chambers
- Spectroscopy and gross counting outputs
- Front-panel-selectable energy ranges
- Integral test pulse generator

The ORTEC Model A-576 A-PAD is a single-wide NIM module for performing alpha spectroscopy and counting when used in conjunction with a silicon surface barrier detector. The instrument includes a variable detector bias supply, a preamplifier, a shaping and stretching amplifier, a biased amplifier, a test pulse generator, and a discriminator (Fig. 1).

The detector bias supply and the amplifier have selectable polarity so that the A-PAD can be used with any charged-particle silicon semiconductor detector. Examples are the ORTEC ULTRA ion-implanted silicon detectors and Ruggedized[®] silicon surface barrier detectors.

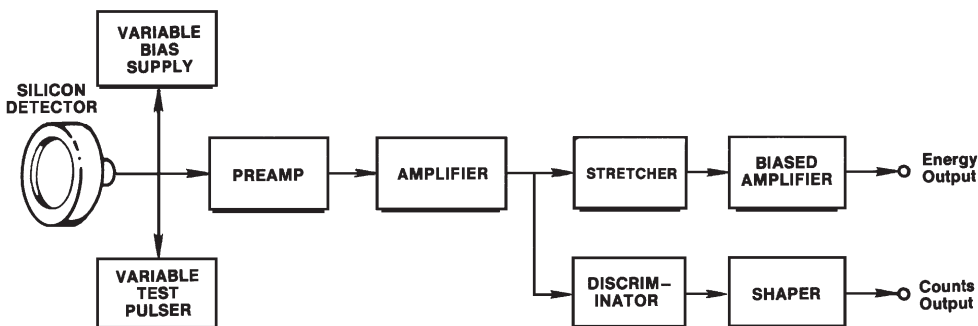


Fig. 1. Block Diagram of A-PAD A-576 Alpha Spectrometer

