The ORTEC Model 428 Detector Bias Supply provides bias voltage of either polarity for two semiconductor detectors, and the current in each detector is externally monitored through jacks on the front panel. The outputs are short-circuit proof, with an impedance of approximately 1.3 MΩ, and each has a range from 0 to 1000 V. These outputs are selected independently by 10-turn direct-reading potentiometers. Constant bias voltage is supplied by high-grade circuits with <0.0002% noise and ripple.

This detector bias supply is compatible with all ORTEC preamplifiers that have provisions for an external detector bias voltage.