



VST1N / VST2N

Preamplifier for Pyroelectric Energy Sensors



Connectors:	BNC
Gain :	10, 100, or 1000
Input impedance:	1 M Ω
power supply (included):	± 15 V

With these amplifiers measuring lowest energies (some 100 nJ with PEM 4) is possible. Due to the amplification and reduction of the capacity load the sensitivity of the detector will be considerably increased. The bandwidth of the amplifiers is specially adapted to this application.

Gain is set during manufacture and should be specified by the customer on ordering. A choice of 2 different gain

values is available for the model VST2N, i.e. it can be switched to two distinct amplification factors.

Due to the modular assembly the whole dynamic area will be greatly increased. Additionally, losses of sensitivity by using a smaller load resistor (to increase the possible repetition rate) can be compensated.