

CAEN

Tools for discovery

Nuclear Physics

A329

2 Channel 15 kV/1 mA Board

Family: Power Supply

- Fully compatible with SY 127 software release: 6.0 and subsequent
- Improved Ripple
- VMAX protection: front panel trimmer setting for each channel of the max. output voltage (from 0 to the nominal maximum value).
- VMAX read-out: front panel test point read-out (for each channel) of the voltage, with a 2% accuracy at full scale
- TRIP Status/Control front panel connectors

Overview

The A329 is a HV plug-in module for the SY127 providing 15 kV (positive or negative polarity) with a 1 mA current limit.

The module has two output channels and HV-LEMO connectors.

Each channel features:
a LED indicator, ON when active;
VMAX protection (hardware protection of max output voltage) set by front-panel trimmer and read by means of a test point;
TRIP Status/Control feature (channel trip detection and switch-off control).



The module is fully compatible with the SY127 Software Release 6.0 (and following), and features an improved ripple by the use of an internal modulated oscillator.



Technical Specification Table

Vout full scale	15 kV
Iout full scale	1 mA
Voltage resolution	4 V
Current resolution	1 µA
Ramp up/down	500 V/s
Max ripple pp	<800 mV

Ordering Options

Code	Version	Description	Available	New
WSY127A329NX	A329N	SY 127 H.V. Channels -15 KV/1 mA (2 ch)		
WSY127A329PX	A329P	SY 127 H.V. Channels +15 KV/1 mA (2 ch)		

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