



NOVONUCLEAR PRIVATE LIMITED

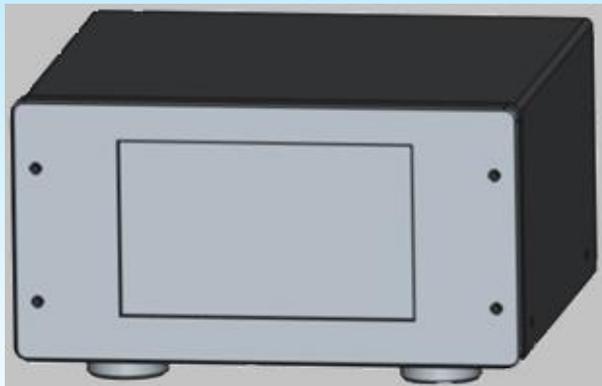


NOVO-LYZER

Digital Multichannel Analyzer

Characteristics

- Digital analyzer with integrated HV supply (± 6000 V)
- Built-in preamplifier power
- 16-bit, 80 MHz ADC with FPGA processing
- Embedded Linux system for spectrum acquisition
- Ethernet (TCP/IP) communication with host PC
- Compatible with InterWinner 8.1 or higher
- Field-upgradable firmware via InterWinner
- Device Configurator



Signal processing

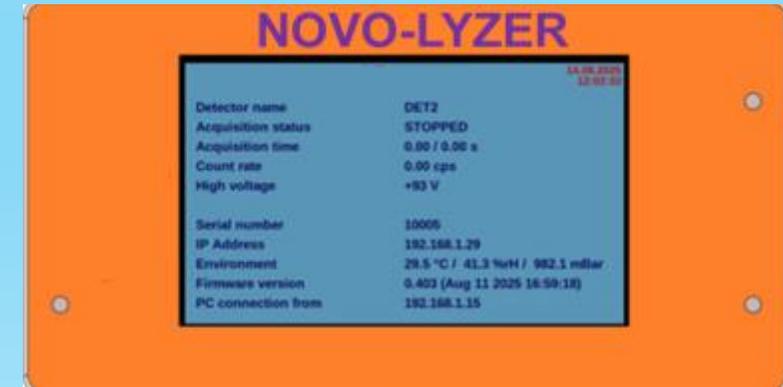
- ▶ Input gains 1/4 – 37.6 x
- ▶ 16 bit, 80 MHz sampling ADC
- ▶ Up to 32768 spectrum channels or more
- ▶ Integrated oscilloscope function
- ▶ Integrated digital pulser
- ▶ Maximum preset time > 10 years
- ▶ Integrated algorithm to reduce lower frequency disturbance, for example due to mechanical cooling

High voltage

- ▶ High voltage 500-6000 V, positive and negative, separated connectors for positive and negative voltages
- ▶ Different possibilities for detector warm signal

Software

- ▶ InterWinner Device Configurator for firmware updates and IP configuration
- ▶ InterWinner spectroscopy software for data acquisition and control



Size

- ▶ Size: approx. 186 mm x 190 mm x 110 mm (W x D x H)
- ▶ Weight: approx. 700 g (without battery option)

Environment

- ▶ Temperature: 0-50 °C (storage temperature -20-50 °C)
- ▶ Humidity: <80%, non condensing
- ▶ Integrated sensor for temperature, humidity and air pressure

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