PULSED CURRENT EXPLODER – EXP128 – 5A OR 10A OR 25A OR 40A – 1 FIRING CHANNEL “HIGH ENERGY”

exploder high energy

Designed for testing electro-pyrotechnic devices, firing and non firing tests

high energy version,

This firing unit is available in several firing current capacities: 5A or 10A or 25A or 40 A, 1 channel, up to 300 seconds (depending on the current value (2 A max on 2 ohms) and the pulse period

These exploders are intended for controls in production lines and in the laboratory, during R&D phase and all places where user safety is a key point.

Description

High Energy version, 5A / 10A / 25A / 40 A 1 channel, up to 300 seconds (depending on the current value and the period of the slot)

These explosions (Exploder) are intended for checks on production lines and in the laboratory, where user safety is at stake.

This range of EXP x28 is designed to generate constant current pulses whose value in time and amplitude is adjustable on pyrotechnic elements, making it possible to control the Energy involved.
With an Innovative design, they use the most recent technologies such as a touch screen and an Ethernet connection.
They are fully digital and controllable

Specifications

Main Features

- 100µS/300S – 100mA-5A/10A/35A/40A 1 channel (possibility of cascading them to build 4/6… channels)
- Controllable by RS232 or Ethernet
- 19” 2U rack or tabletop cabinet versions
- Programmable current and time
- Floating firing line (insulated)
- Independent or coupled channels 0-10V analog outputs,
- isolated current and voltage copies
- 6 independent trigger modes on each channel
- 4 individually configurable sync outputs
- Configurable functions (delayed trigger input, load break detection, etc.)

Internal equipment

- Integrated pyrotechnic safety ohmmeter
- Constant current slot generator Discharge circuits (ESD) of firing lines
- Safety devices: key, protected push button, external security input for door/barrier contacts
- Safety circuit isolating the firing line outside safety conditions

Typical applications (depending on firing unit selection)

- Laboratory tests
- Bruceton Tests Characterization of initiators
- AK LV-16 type tests Production control