

COMPETITIVE ADVANTAGES

- Digitally controlled **device with a microcontroller**;
- **Numerous adjustable parameters**:
 - pulse amplitude: 0V to 900V;
 - pulse width: 10ns to 1 μ s;
 - repetition rate: 1Hz to 100kHz.
- Rise and fall times **shorter than 4ns**;
- **Impulsion reproducibility** over time;
- **Low manufacturing costs**.

APPLICATIONS/MARKETS

- High cadence steering of electro-optic crystal (RTP-type);
- Control of classical triggered operation and « Cavity Dumped »;
- Steering of low capacitances.

INTELLECTUAL PROPERTY

- License for expertise communication

LABORATORY

- Laboratoire Interdisciplinaire Carnot de Bourgogne (ICB)

CONTACT

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PRESENTATION

This pulse generator is **dedicated to drive Pockels cells working under a quarter wave tension lower than 1kV**, as it is the case for cells using electro-optic crystals of RTP. The device has been declined in two versions: **one table model integrated in a case and its equivalent with an OEM board**.

For its use in a laboratory, the color graphic display, associated with a command keyboard, offer to the user an ergonomic control tool to adjust the different parameters of the signal. **Features are digitally controlled by a microcontroller**.

