



Pulse parameters:

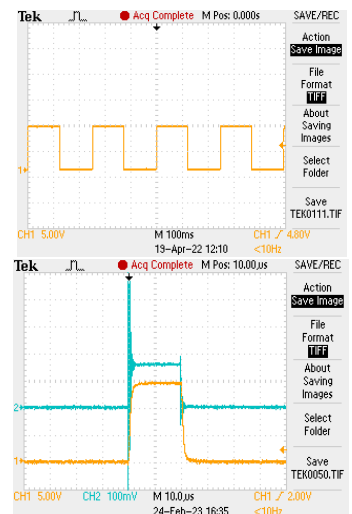
- Max. voltages: 6kV providing EI fields from **+5 to +30 kV/cm**.
- Max pulse current to media (Q/s), 1-5A depending on *V* and media *R* w. min of ca. **100 Ohm**).
- Rep. Rates: 4, 24Hz (see scope trace for 4 Hz from controller).
- PEF pulse duration at its 2/3 height: 5 and 20 μ s (scope traces are below where the yellow trace is voltage, green-current).
- Shape: positive with fronts of ca. 1 μ s,
- Selectable recommended pulsing time for one test: 2-20min.

Size (LxHxB); 25x25x45cm, Weight: ca. 8kg.

El. connection: 220-230 VAC, 3 A, 50-60 Hz.
consuming el. power: 300W.

Two PEF Chambers:

- **a coaxial cylindrical chamber:**
the length 70mm and 3 changeable central electrodes providing gaps of 2, 2,5 and 3mm.
- Usage: disinfection of clear (no flakes) juices, inoculated water, flow is regulated 0.2-1 l/min through a 0.5l batch volume.
- **a round cell with parallel electrodes for**
 - sanitation of jells, jams, D60mm, gap 2-20mm
 - PEF assisted juice extraction from roots, grass.
 - Switching between chambers: ca. 3 min.



Controls over PEF processes:

- T°C LCD meter for the T° in the batch;
- BNC outputs for Pulse generator and PEF voltage pulses.
- 2 Trace digital scope.

Simple to use & to clean, practical:

- Interlocked, no access to HV or controls.
- Flashing /draining with distilled water.
- Sufficient for many small R&D tasks.

Practical inexpensive PEF R&D Device – newly reintroduced!