

## RELATIVE PERMEABILITY STEADY STATE - SSRel K



### General Features

This equipment has been developed following the ambition to have a new steady state relative permeability flow system to enhance capabilities in permeability testing on live fluids with recirculation.

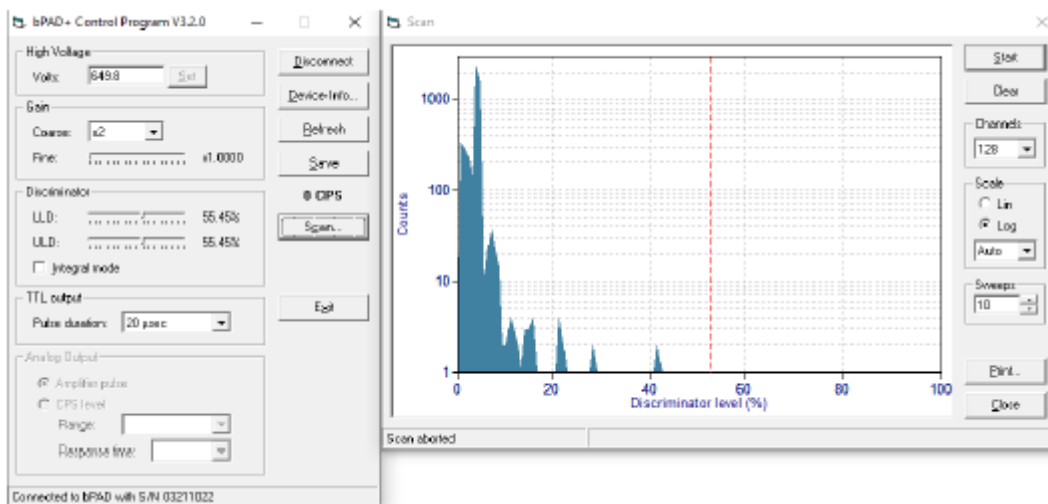
The main assets of this new design are:

- The fluid recirculation allowing you to reduce by 4 the quantity of live fluid required for each test
- A perfect control of temperature gradient
- $\Delta P$  measurement stability thanks to recirculation design (no back pressure valve)
- The automation of the fluid injection and recirculation including automated macro-procedures and automatic saturation monitoring
- User friendly operations and maintenance
- Different configuration possible for the tracking system: Gamma Ray or X-Ray Technology
- A design in accordance with the most severe expectations of safety
- Wetted parts designed in Hastelloy for a perfect resistance to corrosion

To ensure a continuous flow injection, the system is equipped with 6 pumps 200cc, 1000bar (15000 psi) which are directly embedded in the oven to minimize the dead volume while allowing a user-friendly maintenance.

The Core Holder is designed in aluminum with a carbon fiber wrapping for transparency to X-rays or Gamma rays.

The tracking system for SS Rel K uses motorized linear no end screws with guiding rods. Displacement is ensured by a brushless motor. To follow core saturation, a saturation software is provided to be used with the system detectors.



### Continuous Injection with Collecting

