



Remote control panel

OPTION:

- APC anodizing process computer, to carry out automatically the anodizing process, setting only the current density (A/sqdm.) and the requested micron number.

The APC calculates automatically the load surface and controls directly the output of the rectifier; a cycle-end alarm is operated at the end of the process. Also equipped with printer



The new ELCA CURRENT RECTIFIER for ANODIZING digital type

All Functions (Programming / SCR firing control and output regulation / Parameter and Alarm Indication / Interfacing) are controlled by a fully digital system

For PULSE Rectifier: - Working with positive Pulses

Cooling options:

- AIR cooled or WATER cooled



ELCA RECTIFIERS for ANODIZING



The rectifier can be provided with:

APC Anodizing Process Computer

FEATURES:

- Automatic survey of the surface to be anodized
- Presetting of anodizing current density and requested number of microns
- Automatic printout of anodizing parameters

About APC

The APC (anodizing process computer) can calculate automatically, after a simple initial calibration, the value of the surface. (*This one seen as electrochemical equivalent surface, that can be different from the one calculated geometrically due to the effect of screened parts*).

On the base of this value, and considering the set current density (A/dm²) the APC controls the total current supplied by the rectifier without any further manual adjustment for small or big loads.



The operator sets, on the keyboard, the requested current density and the requested number of microns.

After the start, the APC calculates the surface of the load and it sets the value of the total *"Working current"* fed to tank.

During the process some essential data are shown on the display of the APC.

The Cycle end alarm is operated when the number of microns obtained matches the pre-set value.

After the Stop button is pressed the APC prints automatically all anodizing process parameters

