

DCAC 100

Power Supply for the Electrolytic Coloring of Aluminum



Power Section



Remote Control Unit



Color Consistency – Process Reliability

Compared to the well-known alternating current (AC) coloring systems, the **DCAC 100** power supply ensures higher productivity due to improved color distribution. The load size can be increased compared to AC systems.

An enclosed remote control unit at the process tank enables the user to easily operate the power supply and helps reducing the error rate.

Individual customized coloring programs can be defined easily and retrieved any time thanks to the program memory.

Compared to electronic DCAC systems, the optimized variable ratio transformer control guarantees reproducible results independent of the load size (30-100 % of the nominal load size).

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■ Process Procedure

The process procedure for each desired color shade is defined by a coloring program. After the operator has selected the respective coloring program at the remote control unit, the coloring process starts automatically. Once the warning period at the end of the process has elapsed, the power supply switches off and requests the operator to take the load out of the tank.

Another feature of the DCAC 100 power supply, the integrated automatic load adjustment, enables the operator to achieve the same color shade for various load sizes* without having to change the program. This means that one color shade can be assigned to one coloring program, which simplifies the operation even further.

■ Features

- Power supply and remote control unit create one entity
- Highly accurate control by means of a microprocessor
- Program memory with 200 coloring programs
- Direct retrieval of 24 coloring programs via program keys
- Large display for showing the process data (voltage, current, temperature, time)
- Automatic load adjustment
- Optimized variable ratio transformer control
- Ampere-hour meter for dosing
- Wear-free switching between DC and AC operation cycles
- Compatibility with the ALU-SPECTRAL® interference coloring system
- Interface for PC connection (optional)

■ Pro Ano

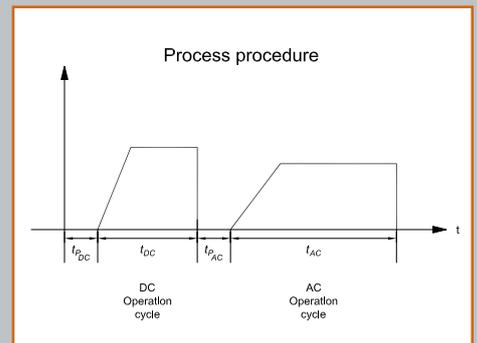
Would you like to know how many loads you have already produced today? Would you like to supply your customer with a production log when delivering the goods?

With **Pro Ano** you will have the data readily available on your PC. The monitor in the central control room shows the order being currently processed online.

■ Scanner

Mix-ups impossible! The automatic decoding function rules out data confusions. No more copying mistakes, transfer errors or incorrect order details – as our scanner reads the data out unambiguously and **Pro Ano** transfers and logs it.

*30-100 % of the nominal load size



Process diagram



Production log created by **Pro Ano**

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