

AS 100

Process Controller
for the anodic oxidation of aluminum



Control – Monitoring – Documentation

The AS 100 process controller

Increased productivity and improvements in quality to match: these are the essential advantages offered by the AS 100 against a normal voltage/time or current density controller. Basic control is realized with just two buttons, simplifying operation and saving the operator a lot of time-consuming, complex programming.

The optional PC-based software for the unit, the Pro Ano, takes on the task of process data logging and allows on-line checks to be carried out directly from the main control room.

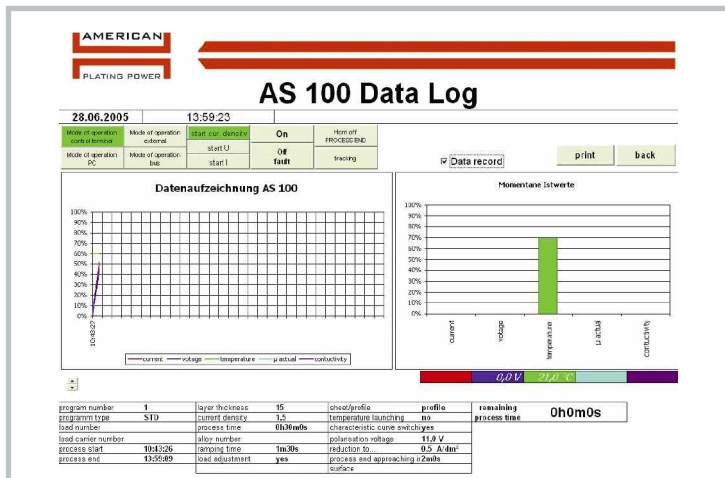
AS 100 and Pro Ano – the new concept.

Main features

- Increased productivity via a second-generation current density control optimisation function.
- Increased productivity thanks to automatic data logging (Pro Ano)
- The remaining process time is automatically calculated and displayed.
- Simple operation and overview display with the large screen.
- Automatic dosing is possible.
- Tailored to specific customer needs instead of standard programs. 72 programs can be stored.
- A scanner function links order details and process details together.

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The **AS 100** is more than just a controller. It automatically takes on monitoring and logging duties, improving productivity and reducing errors. The **AS 100** can be connected to any standard rectifier with an output voltage of > 20V and an analogue interface. The integrated current density characteristic has been specially designed around aluminum alloys and the creation of decorative oxide layers. (Type II anodizing, e.g. 6063, 6061).

Aluminium Content	6-12 g/l
Sulphuric acid	H ₂ SO ₄ 180 g/l + 10 %
Uniform alloys on the same load carrier	

Pro Ano

- Would you like to know how many loads you've already produced at any time on any day? Would you like to be able to supply your customer with a copy of the production log with the touch of a button? **Pro Ano** helps you to achieve these things through your PC. The display screen in the main control room shows on-line which order is currently in production – and up to 8 individual controllers can be monitored in this way.

Scanner

- Rule out mix-ups: data transfer is carried out automatically. When used in conjunction with **Pro Ano**, the scanner frees you from expensive data logging at the process bath and the associated transfer of information afterwards.

Copying mistakes, transfer errors, incorrect order details – our scanner reads clearly and the **Pro Ano** logs and transfers data.



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