

GP PROCESS-LAB

AUTOMATIC OFFLINE CONCENTRATION ANALYSIS
FOR ACID SOLAR CELL LINES



CONSULTING



CELL TECH



MODULE TECH



INSPECT



SITUATION

The GP PROCESS-LAB offers automatic offline chemical analytical possibilities for the complete acid solar cell line. The GP PROCESS-LAB titration analysis system is based on the reliable Metrohm ProcessLab.

ADVANTAGES

- › Increase of cell performance and bath lifetime
- › Automatic offline measurements
- › Easy process control
- › Complete analytical solution and support
- › Measurement of various baths in one device

DESCRIPTION

The measurement with the GP PROCESS-LAB is easy: Put a sample into a labeled flask. Then place the flask in the sample rack of the GP PROCESS-LAB. The integrated barcode reader detects the type of the sample automatically. The GP PROCESS-LAB performs the correct analysis according to the barcode on the sample flask and reports the results.

The complete solution of the GP PROCESS-LAB comprises hardware, analytical methods, installation and training of staff on site.

DESCRIPTION	GP PROCESS-LAB STANDARD	GP PROCESS-LAB ADVANCED
Measured chemicals	HF / HNO ₃ / Si KOH, HF, HCl HF / HCl Further chemicals on request	HF / HNO ₃ / Si HF / HNO ₃ / H ₂ SO ₄ / Si KOH, HF, HCl HF / HCl Further chemicals on request
Measurement range	HF: 0 – 150 g/l HNO ₃ : 0 – 500 g/l Si: 0 – 50 g/l HCl: 0 – 150 g/l KOH: 0 – 100 g/l	HF / HNO ₃ / Si: According to PROCESS-LAB Standard H ₂ SO ₄ : 0 – 500 g/l
Accuracy	5 %, rel.	5 %, rel.
Order Information/ Art. No.	05.10.2100	

Note: All technical details are subject to change without prior notice. Only technical specifications in quotations and duty books are binding.



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