



AMPHA P20 POLLEN ANALYZER

The Ampha P20 is the world's first fully portable pollen analyzer. It enables faster measurements due to simplified operation and automatic data analysis. Furthermore, the portability and ease of use increase the efficiency of pollen analysis in plant breeding, production research and seed production.

PORTABLE

Embedded PC

Replaceable and rechargeable batteries

Airplane cabin allowed

Robust case

EASY TO USE

Integrated touchscreen with intuitive menu

Simplified handling supported by operation wizards

Minimal setup time

Crop-specific chips with pre-installed settings

AUTOMATED DATA ANALYSIS

Immediate results for data-driven decision-making

Systematic screening and routine measurements

No experience in data analysis needed

PORTABLE

Pollen viability wherever it is needed and for species with an extremely short pollen lifetime like wheat, rice and corn. Optimization of processes at all stages where the viability of pollen is a success factor.

EASY TO USE

The crop-specific microfluidic chips for the Ampha P20 are programmed with all the settings for fully automated analysis. Only a few clicks are needed from the start of the instrument to the display of results.

AUTOMATED DATA ANALYSIS

The measurement results are displayed immediately at the end of the measurement. No manual gating and time consuming analysis of scatterplots is necessary. Decisions for further actions can be taken instantly.



Pollen Analysis - Areas of Use

The Ampha P20 is an ideal instrument for the measurement of a large number of samples and for routine measurements wherever they are needed. With its new crop-specific microfluidic chips, the Ampha P20 offers fully automated solutions from the start of the measurement to data analysis.

PLANT BREEDING

Phenotyping of lines directly in the field

Characterization of short-lived pollen species

Immediate results for data-driven decision-making

PRODUCTION RESEARCH

Data collection on site: in the field or in the greenhouse

Data-based decision making for crop placement

No training in data analysis required

SEED PRODUCTION

Routine check of pollen quality anywhere

Location independent, standardized results

User friendly operation

Ampha P20: Pollen Analysis Applications



Tomato



Pepper



Brassicaceae



Cucurbitaceae



Onion



Carrot



Beet



Corn



Wheat



Sunflower



More applications are in development

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