



## 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



Corn



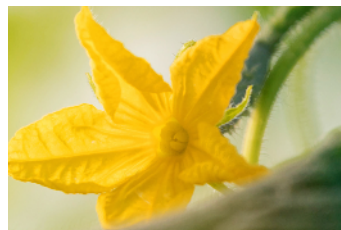
Wheat



Brassicaceae



Sunflower




Cucurbitaceae



More in development

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