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The highest in Quality & Technology



## *Automatic Drying and Ashing System* **prepASH® 129**

- *Precisa is fast becoming one of the world's leading manufacturers of thermo-gravimetric analysis equipment.*
- *prepASH® 129 represents a revolutionary improvement in precision analysis in sample preparation.*
- *prepASH® 129 defines moisture and ash values and facilitates huge savings in workload and costs.*
- *Precisa instruments are market leaders in language-independent user guidance and data quality assurance in sample preparation.*
- *Precisa supports users with their own laboratories in the Far East and Europe.*

**Precisa**

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**prepASH® is the new generation in thermo-gravimetric analysis instruments which offer:**

- Enormous improvements in precision analysis
- A massive reduction in working time (up to 50%)
- Fully automatic processing of 29 samples and a reference pan, in one working cycle
- Processing in accordance with the latest quality guidelines, monitored within a wide temperature range of 50°–1000 °C

**Safety, reliability, real-time controls and error-free documentation of all the fundamental data**

- Storage of all the fundamental data and operating parameters, such as changes in sample weight, temperature, gases, etc.

**Fully automatic measurement of drying and ignition residue**

- Automatic compensation of the pan lift
- Continuous weighing and storage of weight changes
- Option to develop new methods by entering new curves with a temperature-time diagram. The system follows the specified curve precisely.

**Practical touch screen controls**

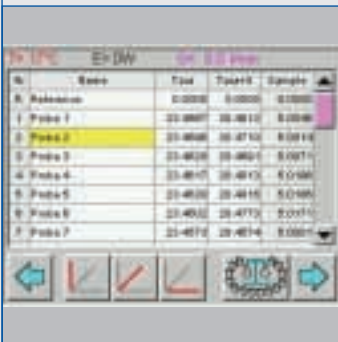
- High-resolution graphics screen (colour, VGA 5.7")
- Very simple, language-independent user guidance using icons with an easy-to-read display
- The sample chamber is opened and closed automatically by touching the icons

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### Process memory with graphical parameter definition

- Process sequence with all the parameters on the colour screen
- Red temperature-time curve can be changed any time
- Enter new limit data, both numerically and directly on the graphical curve
- Program levels are highlighted in colour



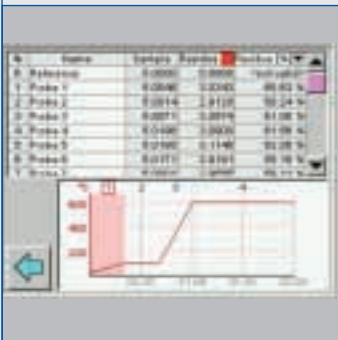
### Perfect quality records without an additional PC

- Real-time display of the weight loss during the drying and ignition process
- Error-free result recording in accordance with FDA/GLP guidelines
- Sample recognition using graphics
- Display of all 29 samples, individually or in groups (coloured)
- Flashcard for access authorisation and storage of results



### Further increase in sample throughput

- Easy to read transmission of all the weighing-in data, such as weights, positioning etc. from an independent dosing station



*prepASH® offers automatic measurement precision for all samples through one or more standards.*

*The reference samples ensure the reliability of the process for the complete certification of chemical laboratories.*

## Technical Data *prepASH® 129*

<b>Weighing system:</b>	
Weighing range [g]	120
Units	g
Minimum sample weight [g]	0.1
Readability [g]	0.0001
<b>Heat source:</b>	
Temperature range	50 °C – 1,000 °C
<b>Heating control system:</b>	
Ramp time	0 – 6 h
Holding time	0 – 24 h
Auto stop	n x 0.1 mg/min
<b>Atmosphere:</b>	
Oxygen	0/3/6/9 l / min
Nitrogen	0/3/6/9 l / min
Air	0/3/6/9 l / min
<b>Results:</b>	
Weight loss / Residual weight	g/%/‰
Weight loss / Residual weight related to pre-interval	g/%/‰
<b>Monitoring:</b>	
Acoustic	X
<b>Printout:</b>	
Graphic	X
Table / Method	X
<b>Memory capacity:</b>	
Process memory	100
Measured value memory	About 200 series of measurements
<b>Operation:</b>	
Display	5.7" Colour graphic
Keyboard	touch screen
Menu-controlled	X
<b>Special features:</b>	
Weighing-in on an external dosing station	Optional
<b>Calibration:</b>	
Balance	X
Temperature	X
<b>Data outputs:</b>	
Interface for a PC	RS232
Interface for an external balance (dosing station)	RS232
Interface for a printer (HP-PCL3)	Centronics
Alarm output	X
<b>Connection:</b>	
Mains voltage	230 V
Frequency	50 – 60 Hz
Current input	15 A
Subject to technical alterations.	



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