



## prepASH Technical Data

| Model   | prepASH 229<br>340-9220-001        | prepASH 219<br>340-9221-001        | prepASH 212<br>340-9222-001        | prepASH 129<br>340-9211-001        |
|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| <b>Samples, Crucibles</b>                                 |                                    |                                    |                                    |                                    |
| Samples   | 29                                 | 19                                 | 12                                 | 29                                 |
| Turn-table for Precisa Crucibles                          | yes                                | yes                                | no                                 | yes                                |
| Turn-table for 12 standard crucibles                      | optional                           | optional                           | yes                                | no                                 |
| Precisa silicate ceramic crucibles                        | 35                                 | 25                                 | no                                 | 35                                 |
| Precisa aluminum oxide crucibles                          | optional                           | optional                           | no                                 | optional                           |
| Standard crucibles (e.g. for flour application)           | optional                           | Optional                           | 15                                 | no                                 |
| <b>Weighing system</b>                                    |                                    |                                    |                                    |                                    |
| Weighing range  | 120 g                              | 120 g                              | 120 g                              | 120 g                              |
| Readability   | 0.0001 g                           | 0.0001 g                           | 0.0001 g                           | 0.0001 g                           |
| Minimum sample weight                                     | 0.1 g                              | 0.1 g                              | 0.1 g                              | 0.1 g                              |
| <b>Heating control system</b>                             |                                    |                                    |                                    |                                    |
| Temperature range   | 50 °C – 1000 °C                    | 50 °C – 1000 °C                    | 50 °C – 1000 °C                    | 50 °C – 1000 °C                    |
| Temperature stability                                     | +/- 2 %                            | +/- 2 %                            | +/- 2 %                            | +/- 2 %                            |
| <b>Process control system</b>                             |                                    |                                    |                                    |                                    |
| Maximum program steps                                     | 10                                 | 10                                 | 10                                 | 10                                 |
| Maximum total analysis time                               | 36 h                               | 36 h                               | 36 h                               | 36 h                               |
| Auto stop   | 0.1-100 mg /<br>1min, 30min, 60min | 0.1-100 mg /<br>1min, 30min, 60min | 0.1-100 mg /<br>1min, 30min, 60min | 0.1-100 mg /<br>1min, 30min, 60min |
| <b>Atmosphere</b>   |                                    |                                    |                                    |                                    |
| Oxygen, 0/3/6/9 l/min                                     | optional                           | optional                           | optional                           | optional                           |
| Nitrogen, 0/3/6/9 l/min                                   | optional                           | optional                           | optional                           | optional                           |
| Air, 0/3/6/9 l/min  | optional                           | optional                           | optional                           | optional                           |
| Exhaust   | yes                                | yes                                | yes                                | yes                                |
| Absorption unit for sulphuric acid                        | optional                           | optional                           | optional                           | optional                           |
| <b>Results</b>  |                                    |                                    |                                    |                                    |
| Weight loss / Residual weight                             | %, ‰, g                            | %, ‰, g                            | %, ‰, g                            | %, ‰, g                            |
| Weight loss / Residual weight related to pre-interval     | %, ‰, g                            | %, ‰, g                            | %, ‰, g                            | %, ‰, g                            |
| <b>Monitoring</b>   |                                    |                                    |                                    |                                    |
| Remote on PC via Network                                  | yes                                | yes                                | yes                                | no                                 |
| Acoustic  | yes                                | yes                                | yes                                | yes                                |
| <b>Operation</b>  |                                    |                                    |                                    |                                    |
| Display   | 5.7" VGA color                     | 5.7" VGA color                     | 5.7" VGA color                     | 5.7" VGA color                     |
| Keyboard  | touch screen                       | touch screen                       | touch screen                       | touch screen                       |
| Menu-controlled   | yes                                | yes                                | yes                                | yes                                |
| PC independent operation                                  | yes                                | yes                                | yes                                | yes                                |
| Sample list, preparation and evaluation on PC via network | yes                                | yes                                | yes                                | no                                 |



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|---|--|--|--|--|
| Sample preparation outside (with balance) | yes  | yes  | yes  | yes  |
| <b>Printout</b>                           |  |  |  |  |
| Graphic                                   | yes  | yes  | yes  | yes  |
| Table                                     | yes  | yes  | yes  | yes  |
| Method                                    | yes  | yes  | yes  | yes  |
| <b>Memory capacity</b>                    |  |  |  |  |
| Methods                                   | unlimited                                      | unlimited                                      | unlimited                                      | unlimited                                      |
| Measured values                           | unlimited                                      | unlimited                                      | unlimited                                      | unlimited                                      |
| <b>Data output, interfaces</b>            |  |  |  |  |
| RS232 Interface for external weighing in  | with USB converter                             | with USB converter                             | with USB converter                             | yes  |
| USB for Printer                           | yes  | yes  | yes  | no   |
| USB for Barcode Scanner                   | yes  | yes  | yes  | no   |
| USB for Memory stick                      | yes  | yes  | yes  | no   |
| USB for external weighing in              | yes  | yes  | yes  | no   |
| Ethernet for Printer                      | yes  | yes  | yes  | no   |
| Ethernet for PC-Data-evaluation           | yes  | yes  | yes  | no   |
| Ethernet for PC-Remote-observation        | yes  | yes  | yes  | no   |
| Ethernet for PC-Remote-support            | yes  | yes  | yes  | no   |
| <b>Calibration</b>                        |  |  |  |  |
| Balance                                   | 2 point  | 2 point  | 2 point  | 2 point  |
| Temperature                               | 2 point  | 2 point  | 2 point  | 2 point  |
| <b>Connection</b>                         |  |  |  |  |
| Mains voltage                             | 230 VAC (+15/-20 %)                            | 230 VAC (+15/-20 %)                            | 230 VAC (+15/-20 %)                            | 230 VAC (+15/-20 %)                            |
| Frequency                                 | 50 to 60 Hz                                    | 50 to 60 Hz                                    | 50 to 60 Hz                                    | 50 to 60 Hz                                    |
| Current input                             | 15 A   | 15 A   | 15 A   | 15 A   |
| <b>Weigh and dimensions</b>               |  |  |  |  |
| Weight                                    | 99 kg  | 99 kg  | 99 kg  | 99 kg  |
| Dimensions (H) Height with cover opened   | H (H) x W x D /<br>620 (980) x 590 x 870<br>mm | H (H) x W x D /<br>620 (980) x 590 x 870<br>mm | H (H) x W x D /<br>620 (980) x 590 x 870<br>mm | H (H) x W x D /<br>620 (980) x 590 x 870<br>mm |