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## IKA Pette vario 0.1-2 µl

/// Data Sheet

An ergonomic feel combined with uncompromising precise performance: the IKA single fix and vario pipettes can be used for many applications in the modern laboratory. Colour coding simplifies the rapid selection of a suitable pipette. Resistance to impact, UV and chemicals ensures that the tip cone provides long-term reliable dosing. The PETTE fix and vario are fully autoclavable, therefore ensuring easy sterilization. This guarantees fault-free, precise and safe operation.

### Ergonomic design

IKA pipettes are delivered including exchangeable grips in different shapes and materials. Therefore it is guaranteed



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that they fit well in the palm of the hand. The minimal frictional and spring forces also ensure dosing with ergonomic handling; without any effort.

One-handed adjustment of the volume is possible using the multifunctional knob. Moreover, the pipette tip can be released, regardless of the hand position, while the volume adjustment is securely locked.

#### Durable construction

The tip cone and piston are coated with a high quality diamond-like carbon (DLC). The design is functional and minimalistic. This combination guarantees particularly robust pipettes and reliably meter day by day in the long term.

#### A large display

The display shows the set volumes in easily read characters. The deep position also allows reading while pipetting, without changing the hand position.

#### User-friendly calibration

The IKA software used for planning, performing and recording calibration tests for PETTE fix and vario is particularly user-friendly.

#### Simple maintenance and adjustment

The volume unit with piston and seal can be disassembled and cleaned in just a few simple steps. If adjustment is necessary, it can be done without any additional tool.



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## Technical Data

|                                                    |                                          |
|----------------------------------------------------|------------------------------------------|
| Design                                             | Air displacement piston-operated pipette |
| Handling                                           | mechanical                               |
| Volume                                             | variable                                 |
| Number of channels                                 | 1                                        |
| Colour Code                                        | Gray                                     |
| Nominal volume [ $\mu$ l]                          | 2                                        |
| Volume min. [ $\mu$ l]                             | 0.1                                      |
| Volume max. [ $\mu$ l]                             | 2                                        |
| Increments [ $\mu$ l]                              | 0.002                                    |
| Accuracy with nominal volume [ $\pm\mu$ l]         | 0.028                                    |
| Accuracy with nominal volume [ $\pm\%$ ]           | 1.4                                      |
| Precision with nominal volume [ $\pm\mu$ l]        | 0.014                                    |
| Precision with nominal volume [ $\pm\%$ ]          | 0.7                                      |
| Accuracy with 50% of nominal volume [ $\pm\mu$ l]  | 0.025                                    |
| Accuracy with 50% of nominal volume [ $\pm\%$ ]    | 2.5                                      |
| Precision with 50% of nominal volume [ $\pm\mu$ l] | 0.015                                    |
| Precision with 50% of nominal volume [ $\pm\%$ ]   | 1.5                                      |
| Accuracy with 10% of nominal volume [ $\pm\mu$ l]  | 0.024                                    |
| Accuracy with 10% of nominal volume [ $\pm\%$ ]    | 12                                       |
| Precision with 10% of nominal volume [ $\pm\mu$ l] | 0.012                                    |
| Precision with 10% of nominal volume [ $\pm\%$ ]   | 6                                        |
| Certificate of conformity according to ISO 8655    | yes                                      |
| Autoclavable                                       | yes                                      |
| Dimensions (W x H x D) [mm]                        | 30 x 254 x 63                            |
| Weight [kg]                                        | 0.089                                    |
| Permissible ambient temperature [ $^{\circ}$ C]    | 5 - 40                                   |
| Permissible relative humidity [%]                  | 90                                       |