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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.

Max. Volume Tip: 10 µl



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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 [μ l]	2
Volume min. [μ l]	0.1
Volume max. [μ l]	2
Increments [μ 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