

LIQUID HANDLING

A. PIPETTE

The dosing devices are available with volumes from 0.1 µl to 10 ml, offering the broadest possible flexibility for liquid handling in any modern laboratory. Three handles in different sizes and materials are included with each pipette.

1. Single Channel Pipettes, Fixed Volume

a. IKA PETTE fix 5 µl, Cat.No., 0020011219



The IKA PETTE fix single-channel pipettes are used for many different applications in the modern laboratory. The IKA PETTE is ideally suited to heat and high-pressure sterilization. The pipette can be cleaned and autoclaved either in complete or in dismantled state.

Technical Data

- Design : Air displacement piston-operated pipette
- Handling : mechanical
- Volume : fix
- Number of channels : 1
- Colour Code : Gray
- Nominal volume : 5 µl
- Accuracy with nominal volume : ± 0.06 µl
- Accuracy with nominal volume : ± 1.2 %
- Precision with nominal volume : ± 0.03 µl
- Precision with nominal volume : ± 0.6 %
- Certificate of conformity according to ISO 8655 : yes
- Autoclavable : yes
- Piston material : stainless steel DLC coated
- Dimensions (W x H x D) : 30 x 248 x 63 mm
- Weight : 0.084 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 90 %

b. IKA PETTE fix 20 µl, Cat.No., 0020011221



Technical Data

- Design : Air displacement piston-operated pipette
- Handling : mechanical

- Volume : fix
- Number of channels : 1
- Colour Code : Yellow
- Nominal volume : 20 µl
- Accuracy with nominal volume : ± 0.2 µl
- Accuracy with nominal volume : ± 1 %
- Precision with nominal volume : ± 0.06 µl
- Precision with nominal volume : ± 0.3 %
- Certificate of conformity according to ISO 8655 : yes
- Autoclavable : yes
- Piston material : stainless steel DLC coated
- Dimensions (W x H x D) : 30 x 248 x 63 mm
- Weight : 0.085 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 90 %

c. IKA PETTE fix 100 µl, Cat.No., 0020011224



Technical Data

- Design : Air displacement piston-operated pipette
- Handling : mechanical
- Volume : fix
- Number of channels : 1
- Colour Code : Yellow
- Nominal volume : 100 µl
- Accuracy with nominal volume: ± 0.6 µl
- Accuracy with nominal volume: ± 0.6 %
- Precision with nominal volume : ± 0.2 µl
- Precision with nominal volume : ± 0.2 %
- Certificate of conformity according to ISO 8655 : yes
- Autoclavable : yes
- Piston material : stainless steel DLC coated
- Dimensions (W x H x D) : 30 x 248 x 63 mm
- Weight : 0.085 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 90 %

d. IKA PETTE fix 1000 µl, Cat.No., 0020011228



Technical Data

- Design : Air displacement piston-operated pipette
- Handling : mechanical
- Volume : fix
- Number of channels : 1
- Colour Code : Blue
- Nominal volume : 1000 µl
- Accuracy with nominal volume : $\pm 6 \mu\text{l}$
- Accuracy with nominal volume : $\pm 0.6 \%$
- Precision with nominal volume : $\pm 2 \mu\text{l}$
- Precision with nominal volume : $\pm 0.2 \%$
- Certificate of conformity according to ISO 8655 : yes
- Autoclavable : yes
- Piston material : PPSU
- Dimensions (W x H x D) : 30 x 247 x 63 mm
- Weight : 0.085 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 90 %

2. Single Channel Pipette, Vario

- a. IKA PETTE vario 0.1-2 µl, Cat.No., 0020011210



Technical Data

- Design : Air displacement piston-operated pipette
- Handling : mechanical
- Volume : variable
- Number of channels : 1
- Colour Code : Gray
- Nominal volume : 2 µl
- Volume min. : 0.1 µl
- Volume max. : 2 µl
- Increments : 0.002 µl
- Accuracy with nominal volume : $\pm 0.028 \mu\text{l}$
- Accuracy with nominal volume : $\pm 1.4 \%$
- Precision with nominal volume : $\pm 0.014 \mu\text{l}$
- Precision with nominal volume : $\pm 0.7 \%$
- Accuracy with 50% of nominal volume : $\pm 0.025 \mu\text{l}$
- Accuracy with 50% of nominal volume : $\pm 2.5 \%$
- Precision with 50% of nominal volume : $\pm 0.015 \mu\text{l}$
- Precision with 50% of nominal volume : $\pm 1.5 \%$
- Accuracy with 10% of nominal volume : $\pm 0.024 \mu\text{l}$

- Accuracy with 10% of nominal volume : $\pm 12\%$
- Precision with 10% of nominal volume : $\pm 0.012\ \mu\text{l}$
- Precision with 10% of nominal volume : $\pm 6\%$
- Certificate of conformity according to ISO 8655 : yes
- Autoclavable : yes
- Piston material : stainless steel DLC coated
- Dimensions (W x H x D) : 30 x 254 x 63 mm
- Weight : 0.089 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 90 %

b. IKA PETTE vario 0.5-10 μl , Cat.No., 0020011211



Technical Data

- Design : Air displacement piston-operated pipette
- Handling : mechanical
- Volume : variable
- Number of channels : 1
- Colour Code : Gray
- Nominal volume : 10 μl
- Volume min. : 0.5 μl
- Volume max. : 10 μl
- Increments : 0.01 μl
- Accuracy with nominal volume : $\pm 0.1\ \mu\text{l}$
- Accuracy with nominal volume : $\pm 1\%$
- Precision with nominal volume : $\pm 0.04\ \mu\text{l}$
- Precision with nominal volume : $\pm 0.4\%$
- Accuracy with 50% of nominal volume : $\pm 0.075\ \mu\text{l}$
- Accuracy with 50% of nominal volume : $\pm 1.5\%$
- Precision with 50% of nominal volume : $\pm 0.04\ \mu\text{l}$
- Precision with 50% of nominal volume : $\pm 0.8\%$
- Accuracy with 10% of nominal volume : $\pm 0.025\ \mu\text{l}$
- Accuracy with 10% of nominal volume : $\pm 2.5\%$
- Precision with 10% of nominal volume : $\pm 0.018\ \mu\text{l}$
- Precision with 10% of nominal volume : $\pm 1.8\%$
- Certificate of conformity according to ISO 8655 : yes
- Autoclavable : yes
- Piston material : stainless steel DLC coated
- Dimensions (W x H x D) : 30 x 47 x 63 mm
- Weight : 0.089 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 90 %

c. IKA PETTE vario 100-1000 µl, Cat.No., 0020011216



Technical Data

- Design : Air displacement piston-operated pipette
- Handling : mechanical
- Volume : variable
- Number of channels : 1
- Colour Code : Blue
- Nominal volume : 1000 µl
- Volume min. : 100 µl
- Volume max. : 1000 µl
- Increments : 1 µl
- Accuracy with nominal volume : ± 6 µl
- Accuracy with nominal volume : ± 0.6 %
- Precision with nominal volume : ± 2 µl
- Precision with nominal volume : ± 0.2 %
- Accuracy with 50% of nominal volume : ± 5 µl
- Accuracy with 50% of nominal volume : ± 1 %
- Precision with 50% of nominal volume : ± 1 µl
- Precision with 50% of nominal volume : ± 0.2 %
- Accuracy with 10% of nominal volume : ± 3 µl
- Accuracy with 10% of nominal volume : ± 3 %
- Precision with 10% of nominal volume : ± 0.6 µl
- Precision with 10% of nominal volume : ± 0.6 %
- Certificate of conformity according to ISO 8655 : yes
- Autoclavable : yes
- Piston material : PPSU
- Dimensions (W x H x D) : 30 x 247 x 63 mm
- Weight : 0.088 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 90 %

d. IKA PETTE vario 0.5 - 5 ml, Cat.No., 0020011217



Technical Data

- Design : Air displacement piston-operated pipette
- Handling : mechanical

- Volume : variable
- Number of channels : 1
- Colour Code : Green
- Nominal volume : 5000 µl
- Volume min. : 500 µl
- Volume max. : 5000 µl
- Increments : 5 µl
- Accuracy with nominal volume : ± 30 µl
- Accuracy with nominal volume : ± 0.6 %
- Precision with nominal volume : ± 7.5 µl
- Precision with nominal volume : ± 0.15 %
- Accuracy with 50% of nominal volume : ± 30 µl
- Accuracy with 50% of nominal volume : ± 1.2 %
- Precision with 50% of nominal volume : ± 6.25 µl
- Precision with 50% of nominal volume : ± 0.25 %
- Accuracy with 10% of nominal volume : ± 12 µl
- Accuracy with 10% of nominal volume : ± 2.4 %
- Precision with 10% of nominal volume : ± 3 µl
- Precision with 10% of nominal volume : ± 0.6 %
- Certificate of conformity according to ISO 8655 : yes
- Autoclavable : yes
- Piston material : PPSU
- Dimensions (W x H x D) : 30 x 219 x 63 mm
- Weight : 0.099 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 90 %

e. IKA PETTE vario 1-10 ml, Cat.No., 0020011218



Technical Data

- Design : Air displacement piston-operated pipette
- Handling : mechanical
- Volume : variable
- Number of channels : 1
- Colour Code : Green
- Nominal volume : 10000 µl
- Volume min. : 1000 µl
- Volume max. : 10000 µl
- Increments : 10 µl
- Accuracy with nominal volume : ± 60 µl
- Accuracy with nominal volume : ± 0.6 %
- Precision with nominal volume : ± 15 µl

- Precision with nominal volume : ± 0.15 %
- Accuracy with 50% of nominal volume : ± 40 μ l
- Accuracy with 50% of nominal volume : ± 0.8 %
- Precision with 50% of nominal volume : ± 10 μ l
- Precision with 50% of nominal volume : ± 0.2 %
- Accuracy with 10% of nominal volume : ± 30 μ l
- Accuracy with 10% of nominal volume : ± 3 %
- Precision with 10% of nominal volume : ± 6 μ l
- Precision with 10% of nominal volume : ± 0.6 %
- Certificate of conformity according to ISO 8655 : yes
- Autoclavable : yes
- Piston material : PPSU
- Dimensions (W x H x D) : 30 x 222x 63 mm
- Weight : 0.108 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 90 %