



Technical data

TECHNICAL DATA	IKA PETTE fix 5 µl 10 µl 20 µl 25 µl 50 µl 100 µl 200 µl	IKA PETTE fix 250 µl 500 µl 1000 µl
Design	Air displacement piston-operated pipette	Air displacement piston-operated pipette
Handling	Mechanical	Mechanical
Volume	Fix	Fix
Number of channels	1	1
Colour Code	Gray Gray Yellow Yellow Yellow Yellow Yellow	Blue
Nominal volume	5 µl 10 µl 20 µl 25 µl 50 µl 100 µl 200 µl	250 µl 500 µl 1000 µl
Accuracy with nominal volume	±0.06 µl ±0.12 µl ±0.2 µl ±0.25 µl ±0.35 µl ±0.6 µl ±1.2 µl	±1.5 µl ±3 µl ±6 µl
Accuracy with nominal volume	±1.2 % ±1.2 % ±1 % ±1 % ±0.7 % ±0.6 % ±0.6 %	±0.6 %
Precision with nominal volume	±0.03 µl ±0.06 µl ±0.06 µl ±0.075 µl ±0.15 µl ±0.2 µl ±0.4 µl	±0.5 µl ±1 µl ±2 µl
Precision with nominal volume	±0.6 % ±0.6 % ±0.3 % ±0.3 % ±0.3 % ±0.2 % ±0.2 %	±0.2 %
Certificate of conformity according to ISO 8655	Yes	Yes
Autoclavable	Yes	Yes
Dimensions (W x H x D)	30 x 248 x 63 mm	30 x 247 x 63 mm
Weight	0.084 kg 0.084 kg 0.085 kg 0.085 kg 0.085 kg 0.085 kg 0.086 kg	0.083 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative humidity	90 %	90 %

TECHNICAL DATA	IKA PETTE vario 0.1-2 µl 0.5-10 µl 2-20 µl 10-100 µl 20-200 µl	IKA PETTE vario 100-1000 µl 0.5-5 ml 1-10 ml
Design	Air displacement piston-operated pipette	Air displacement piston-operated pipette
Handling	Mechanical	Mechanical
Volume	Variable	Variable
Number of channels	1	1
Colour Code	Gray Gray Yellow Yellow Yellow	Blue Green Red
Nominal volume	2 µl 10 µl 20 µl 100 µl 200 µl	1000 µl 5000 µl 10 000 µl
Volume min.	0.1 µl 0.5 µl 2 µl 10 µl 20 µl	100 µl 500 µl 1000 µl
Volume max.	2 µl 10 µl 20 µl 100 µl 200 µl	1000 µl 5000 µl 10 000 µl
Increments	0.002 µl 0.01 µl 0.02 µl 0.1 µl 0.2 µl	1 µl 5 µl 10 µl
Accuracy with nominal volume	±0.028 µl ±0.1 µl ±0.2 µl ±0.8 µl ±1.2 µl	±6 µl ±30 µl ±60 µl
Accuracy with nominal volume	±1.4 % ±1 % ±1 % ±0.8 % ±0.6 %	±0.6 % ±0.6 % ±0.6 %
Precision with nominal volume	±0.014 µl ±0.04 µl ±0.06 µl ±0.2 µl ±0.4 µl	±2 µl ±7.5 µl ±15 µl
Precision with nominal volume	±0.7 % ±0.4 % ±0.3 % ±0.2 % ±0.2 %	±0.2 % ±0.15 % ±0.15 %
Accuracy with 50% of nominal volume	±0.025 µl ±0.075 µl ±0.12 µl ±0.5 µl ±1 µl	±5 µl ±30 µl ±40 µl
Accuracy with 50% of nominal volume	±2.5 % ±1.5 % ±1.2 % ±1 % ±1 %	±1 % ±1.2 % ±0.8 %
Precision with 50% of nominal volume	±0.015 µl ±0.04 µl ±0.06 µl ±0.15 µl ±0.3 µl	±1 µl ±6.25 µl ±10 µl
Precision with 50% of nominal volume	±1.5 % ±0.8 % ±0.6 % ±0.3 % ±0.3 %	±0.2 % ±0.25 % ±0.2 %
Accuracy with 10% of nominal volume	±0.024 µl ±0.025 µl ±0.1 µl ±0.3 µl ±0.5 µl	±3 µl ±12 µl ±30 µl
Accuracy with 10% of nominal volume	±12 % ±2.5 % ±5 % ±3 % ±2.5 %	±3 % ±2.4 % ±3 %
Precision with 10% of nominal volume	±0.012 µl ±0.018 µl ±0.03 µl ±0.1 µl ±0.14 µl	±0.6 µl ±3 µl ±6 µl
Precision with 10% of nominal volume	±6 % ±1.8 % ±1.5 % ±1 % ±0.7 %	±0.6 % ±0.6 % ±0.6 %
Certificate of conformity according to ISO 8655	Yes	Yes
Autoclavable	Yes	Yes
Dimensions (W x H x D)	30 x 248 x 63 mm	30 x 247 x 63 mm 30 x 219 x 63 mm 30 x 222 x 63 mm
Weight	0.089 kg 0.089 kg 0.09 kg 0.09 kg 0.091 kg	0.088 kg 0.099 kg 0.108 kg

The accuracy and precision data listed in the table (acc. to DIN EN ISO 8655) only apply if IKA pipette tips are used. Technical specifications are subject to change.