

IKA

designed for scientists



PRECISE DISPENSING | IKA PETTE fix, vario and multi

IKA PETTE

/// IT FITS SO COMFORTABLY IN YOUR HAND THAT YOU DON'T WANT TO LET GO

It's everything you could ever want for precise dispensing combined in one device: With the PETTE fix, vario and multi pipettes, IKA combines the most popular features of this laboratory classic. With uncompromisingly accurate performance and the desired reproducibility, the PETTE is also incredibly comfortable in your hand. Each pipette comes with three different grip sizes. Whether you're left-handed or right-handed, have big hands or small hands - the IKA PETTE always adapts perfectly to your own grip. This makes it ideal for a wide range of applications and frequent laboratory use.



Single-channel pipettes

PETTE fix and vario are available in 18 different sizes, from the micropipette with a volume of 0.1 µl, up to a metering volume of 10 ml. Ten models have a fixed volume, whereas eight are variably adjustable.

Multi-channel pipettes

PETTE multi is available with either 8 or 12 channels for accurate dispensing in microtiter or deep well plates. In total, there are six different models available with adjustable volumes from 0.5 to 200 µl.

Personalized Application Advice

You can test all the pipettes yourself at the IKA Application Center. Our experts are available for questions and various tests of all kinds.

Worldwide Service

Choosing an IKA PETTE also means choosing the excellent technical service offered by IKA. Our team is available worldwide for your service and application needs. Availability of spare parts for your pipette is guaranteed for 10 years. In addition, we calibrate your pipette on request as often as you need according to standard (ISO 8655).

Any questions? Our service team is available for your specific requirements:

00 8000 52457 (00 8000 IKAHELP)
service@ika.de

GERMAN TECHNOLOGY

The IKA PETTE is 100% designed and developed in Germany.

2 years warranty*

*1+1 years after registering at www.ika.com/register, wearing parts excluded

PETTE fix, vario and multi

/// Simple liquid handling for fixed and variable volumes

An ergonomic feel combined with uncompromising precise performance: the IKA single- and multi-channel pipettes have been devised for use in many applications typical in a modern laboratory. Color coding makes it simple to find the right pipette. The fact that they are resistant to impact, UV and chemicals, ensures the pipettes will provide long-term reliable dispensing. PETTE fix, vario and multi are fully autoclavable, therefore ensuring easy sterilization. This guarantees fault-free, precise and safe operation.




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A dose of everything you need

Ergonomic design

All IKA pipettes include three exchangeable grips in different shapes and materials. Designed for both right-handers and left-handers, as well as for people with small or large hands, they are guaranteed to fit comfortably in your hand. The minimal frictional and spring forces also ensure ergonomically-friendly dispensing; without any effort. One-handed adjustment of the volume is possible using the multi-functional knob. Moreover, the tip of the pipette can be replaced regardless of your hand position, while the volume adjustment is securely locked. Together with its pleasantly smooth surface and low weight, the ergonomic design makes for a particularly convenient work experience.



Award-winning IKA PETTE

The IKA PETTE fix and vario pipettes have received two prizes already. The Council for Design honored the laboratory classic with the German Design Award 2020 in the category "Excellent Product Design - Industry". In addition, the 78-member panel of experts from International Forum Design GmbH in Hanover praised the IKA PETTE's innovative shape and awarded the world-renowned iF Design Award 2020.

Designed to last

The tip cone and piston are coated with a high-quality coating* (DLC, diamond like carbon). The IKA PETTE is constructed in a functional and minimalistic way and consist of only a few, clearly arranged individual parts. This combination results in extra sturdy pipettes that deliver reliable results day after day and are very easy to clean.



* Pipettes with volume up to 200 µl



Always readable

The mechanical volume display shows the set volume in large numbers and is easy to read no matter how you hold it - even while dispensing.

Thermally insulated

The housing and grip are thermally separated by an air layer. This layer of air insulates the pipette so that it does not heat up in your hand. Thanks to this design, typical volume errors for pipettes are reduced.

Simple maintenance and adjustment

As many parts as necessary and as few as possible: Thanks to its sophisticated design, 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 easily undertaken without the need for tools. For PETTE multi, each tip cone can even be replaced individually. This extends the lifetime of the pipettes.

Convenient color coding

The different colors of the dispensing heads make it easier to choose the right pipette tip.

PETTE MULTI

8 x 0.5 – 10 µl

8 x 10 – 100 µl

8 x 20 – 200 µl

12 x 0.5 – 10 µl

12 x 10 – 100 µl

12 x 20 – 200 µl

IDENT-NO.

0020017943

0020017944

0020017945

0020017946

0020017947

0020017948

MAX. VOLUME TIP

10 µl

200 µl

200 µl

10 µl

200 µl

200 µl

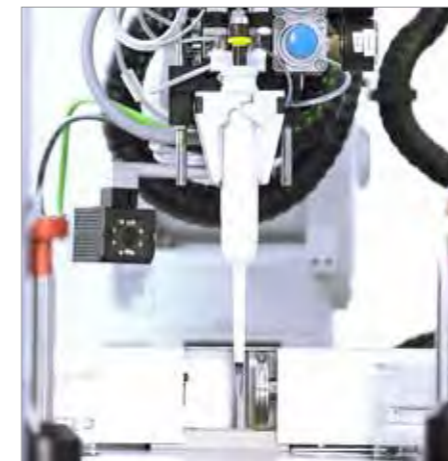
High-tech – only the best for your lab

At IKA, we believe a common piece of everyday lab equipment, like pipettes, deserves the attention of our best engineers. After all, it's about making work easier for users, covering a wide range of applications and guaranteeing work that conforms to standards. One look at the state-of-the-art production of the PETTE reveals a lot about what awaits you with your new pipette.



Pick-by-light assembly

The IKA pipettes are completely assembled according to the pick-by-light procedure. Our order pickers are able to assemble the pipettes quickly and without errors using computer-controlled eye-catching lights and acknowledgment knobs. The pleasing result for our customers are hardly any return rates and short delivery times.



Calibration by robots

"Pit" and "Patty" are the names which our developers have lovingly given to the specially developed robots which calibrate all assembled pipettes fully automatically and in accordance with standards. Pit and Patty can independently identify inaccuracies and analyze faults.

Calibration certificate and quality certificate

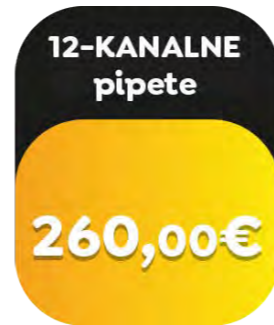
You receive your PETTE fix, vario and multi with an individual quality certificate (QC) and calibration certificate according to ISO 8655.

IKA calibration software

The IKA software for independent planning, execution and documentation of calibration intervals is extremely user-friendly.

IKA calibration service

If you would rather have your pipettes calibrated externally, you are also welcome to send them in to our calibration service.



TECHNICAL DATA

IKA PETTE multi
8 x 0.5-10 µl | 10-100 µl | 20-200 µl

IKA PETTE multi
12 x 0.5-10 µl | 10-100 µl | 20-200 µl

Design	Air displacement piston-operated pipette	Air displacement piston-operated pipette
Handling	Mechanical	Mechanical
Volume	Variable	Variable
Number of channels	8	12
Colour Code	Gray Yellow Yellow	Gray Yellow Yellow
Nominal volume	10 µl 100 µl 200 µl	10 µl 100 µl 200 µl
Volume min.	0.5 µl 10 µl 20 µl	0.5 µl 10 µl 20 µl
Volume max.	10 µl 100 µl 200 µl	10 µl 100 µl 200 µl
Increments	0.01 µl 0.1 µl 0.2 µl	0.01 µl 0.1 µl 0.2 µl
Accuracy with nominal volume	±0.2 µl ±0.8 µl ±1.6 µl	±0.2 µl ±0.8 µl ±1.6 µl
Accuracy with nominal volume	±2 % ±0.8 % ±0.8 %	±2 % ±0.8 % ±0.8 %
Precision with nominal volume	±0.1 µl ±0.3 µl ±0.6 µl	±0.1 µl ±0.3 µl ±0.6 µl
Precision with nominal volume	±1 % ±0.3 % ±0.3 %	±1 % ±0.3 % ±0.3 %
Accuracy with 50% of nominal volume	±0.2 µl ±0.5 µl ±1 µl	±0.2 µl ±0.5 µl ±1 µl
Accuracy with 50% of nominal volume	±4 % ±1 % ±1 %	±4 % ±1 % ±1 %
Precision with 50% of nominal volume	±0.1 µl ±0.4 µl ±0.65 µl	±0.1 µl ±0.4 µl ±0.65 µl
Precision with 50% of nominal volume	±2 % ±0.8 % ±0.65 %	±2 % ±0.8 % ±0.65 %
Accuracy with 10% of nominal volume	±0.08 µl ±0.3 µl ±0.6 µl	±0.08 µl ±0.3 µl ±0.6 µl
Accuracy with 10% of nominal volume	±8 % ±3 % ±3 %	±8 % ±3 % ±3 %
Precision with 10% of nominal volume	±0.05 µl ±0.2 µl ±0.25 µl	±0.05 µl ±0.2 µl ±0.25 µl
Precision with 10% of nominal volume	±5 % ±2 % ±1.25 %	±5 % ±2 % ±1.25 %
Certificate of conformity according to ISO 8655	Yes	Yes
Autoclavable	Yes	Yes
Dimensions (W x H x D)	83 x 235 x 63 mm	119 x 235 x 63 mm
Weight	0.135 kg 0.147 kg 0.160 kg	0.160 kg 0.182 kg 0.195 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.

Accessories

To complement the work with PETTE fix, vario and multi pipettes, the following accessories from IKA are available for your laboratory:



LINEA Pipette rack
Secure and easy accessible mount for frequently used pipettes.
Ident-No.: 0020018987



RONDA Pipette carousel stand
Holds up to 6 single- or multi-channel pipettes.
Ident-No.: 0020107134



Pipette tips
The IKA range of pipette tips includes tips with and without filters. They provide a more accurate sample delivery and increased reproducibility. Available in sizes 0.1 µl – 10 ml.



Pipette calibration software
IKA provides user-friendly pipette calibration software for planning, performing and documenting calibration tests.
Ident-No.: 20022141

ACCESSORIES	DESCRIPTION	IDENT-NO.
LINEA	Pipette rack	0020018987
RONDA	Pipette carousel stand	0020107134
Tip xs bag	Pipette tip, 10 µl, transparent	0020017816
Tip xs tray	Pipette tip, 10 µl, transparent	0020017818
Tip xs box +	Filter tip, 10 µl, sterile, transparent	0020017820
Tip s bag	Pipette tip, 200 µl, transparent	0020017822
Tip s tray	Pipette tip, 200 µl, transparent	0020017823
Tip s box +	Filter tip, 200 µl, sterile, transparent	0020017824
Tip m bag	Pipette tip, 1000 µl, transparent	0020017826
Tip m box	Pipette tip, 1000 µl, transparent	0020017827
Tip m box +	Filter tip, 1000 µl, sterile, transparent	0020017828
Tip l bag	Pipette tip, 5 ml, transparent	0020017829
Tip l box	Pipette tip, 5 ml, transparent	0020017830
Tip xl bag	Pipette tip, 10 ml, transparent	0020017831
Tip xl box	Pipette tip, 10 ml, transparent	0020017832