



designed for scientists



IKA PEN 100 Flex Solution

/// Data Sheet

The IKA PEN is the first of its kind electronic pipette which is engineered with an innovative ultra-slim design that delivers the performance of an electronic pipette in a lighter, more balanced form.

The streamlined body fits naturally in the hand, improving control and comfort during extended pipetting sessions. A user-friendly interface allows quick adjustments, while five pipetting modes provide flexibility for a wide range of laboratory applications and simplifies complex pipetting protocols, saving time and increasing lab productivity.

Designed for modern labs, the pipette also features wireless connectivity and a free App for convenient parameter



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setting and wireless control to streamline workflows. It also comes with USB-C charging and a rechargeable lithium battery for reliable, all-day performance.

Key Features

Innovative ultra-slim, lightweight design

Better balance and ergonomics than traditional bulky electronic pipettes

User-friendly interface for easy operation

Wireless connectivity for smart integration

USB-C charging with rechargeable lithium battery

Five pipetting modes (Pipette, Reverse Pipetting, Multi Dispensing, Dilute, Manual Measurement) for versatile applications

The PEN Flex Solution is a complete setup which includes the pipette, a stand and a wireless controller button that can be used as an alternative operating button for the pipette.

Scope of delivery

- IKA PEN 5 - 100 µl, Electronic Pipette
- PEN.Stand, Stand for IKA PEN electronic pipette
- PEN.WiCo, Wireless control button for IKA PEN electronic pipette



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Technical Data

Design	Air displacement piston-operated pipette
Handling	electronic
Volume	variable
Number of channels	1
Nominal volume [μl]	100
Volume min. [μl]	5
Volume max. [μl]	100
Increments [μl]	0.1
Accuracy with nominal volume [μl]	±0.8
Accuracy with nominal volume [%]	±0.8
Precision with nominal volume [μl]	±0.2
Precision with nominal volume [%]	±0.2
Accuracy with 50% of nominal volume [μl]	±0.5
Accuracy with 50% of nominal volume [%]	±1
Precision with 50% of nominal volume [μl]	±0.15
Precision with 50% of nominal volume [%]	±0.3
Accuracy with 10% of nominal volume [μl]	±0.2
Accuracy with 10% of nominal volume [%]	±2
Precision with 10% of nominal volume [μl]	±0.1
Precision with 10% of nominal volume [%]	±1
Certificate of conformity according to ISO 8655	yes
Autoclavable	partially
Piston material	stainless steel DLC coated
Charging time [h]	3
Working time [h]	8
Battery type	Rechargeable lithium ion 10440 (Convex type)
Battery capacity [mAh]	350
Dimensions (W x H x D) [mm]	15.5 x 204.3 x 28.2
Weight [kg]	0.076
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
DC Voltage [V=]	3.7
Batteries included with the product?	yes
Number of Batteries	1
How is the Battery packaged	within appliance
Battery Voltage [V]	3.7



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.