



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