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## **IKA PEN 5 - 100 µl, Electronic Pipette**

/// 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



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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]                                     | 0.078                                        |
| 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                                          |