Version 1.0_2025-10-21

New-Generation
Smart Electronic Auto-Injector Pen



Precise

Simple

Portable

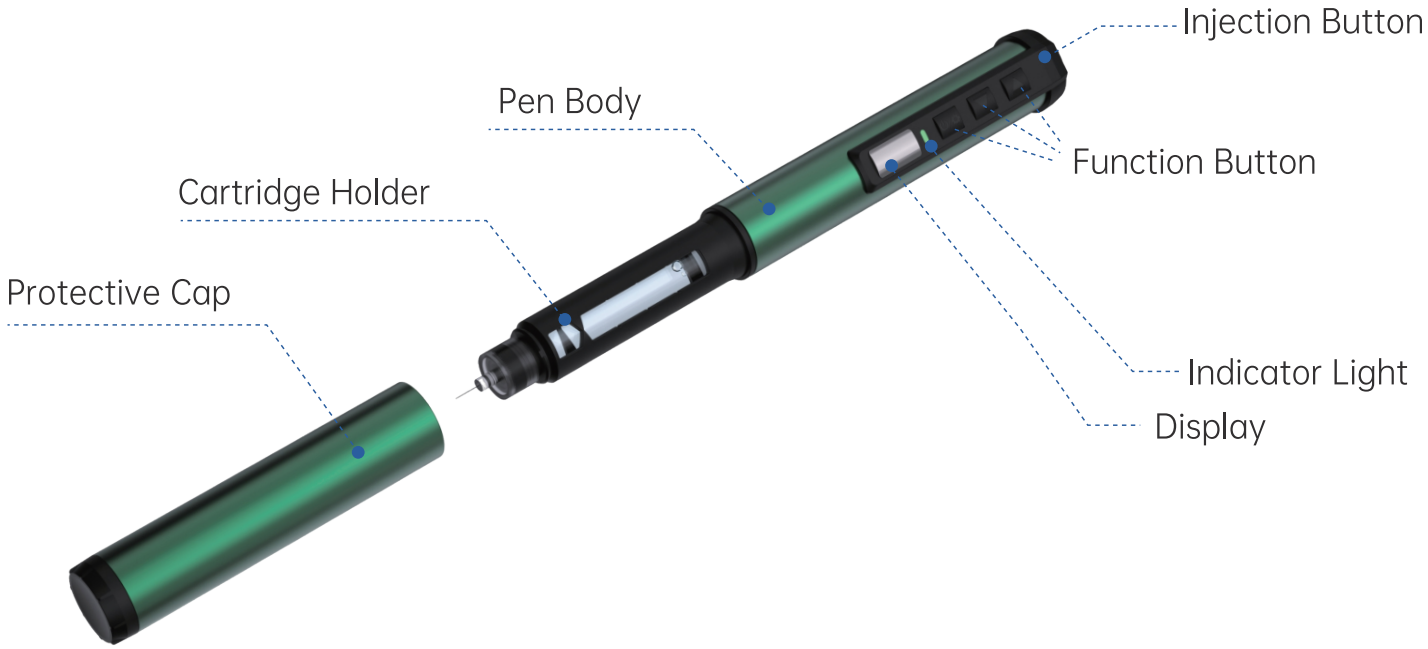
Secure

Smart

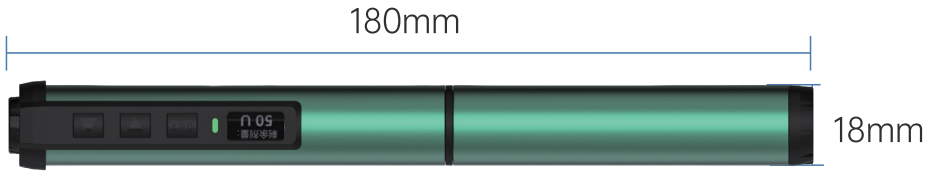
*For subcutaneous injection with a cartridge and a hypodermic needle .

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Structure and Composition



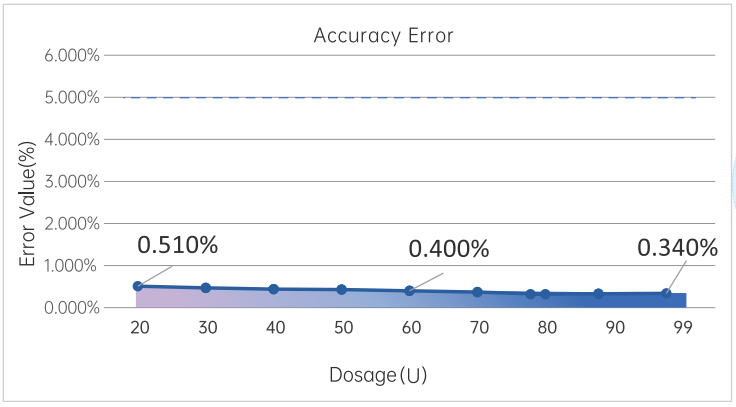
Specifications



Model	AEI-01
Dimensions	Length 180mm, outer diameter 18mm
Weight	38g (Drug not included)
Supported Container	3 mL cartridges complying with ISO 11608-3:2022
Dose Setting Range	1U-99U (As insulin,1U=0.01mL)
Compatible Needles	Hypodermic needles complying with ISO 11608-2:2022
Dose Resolution	1U
Injection Speed	2.4U/s, tolerance ±5%
Dose Accuracy	±1% (1-20 U), ±1.5% (>20 U)
Injection Force	No less than 30N
Battery Specifications	3.7V, 150mAh, rechargeable lithium-ion polymer battery
Charging Method	Magnetic charging
Battery Life	30 Days (3 times a day)
Service Life	3 Years

Features & Benefits

Accurate Dosing





For set doses ⩽20 U, the injection accuracy achieves a precision of ±0.1U, meeting the critical requirements for low-dose and high-accuracy drug delivery.

Simple Interface, Easy Operation.



5-Step Guide

STEP 01 Install the Cartridge.

STEP 02 Attach the Needle.

STEP 03 Prime the Injector.

STEP 04 Set the Dose.

STEP 05 Administer the Injection.

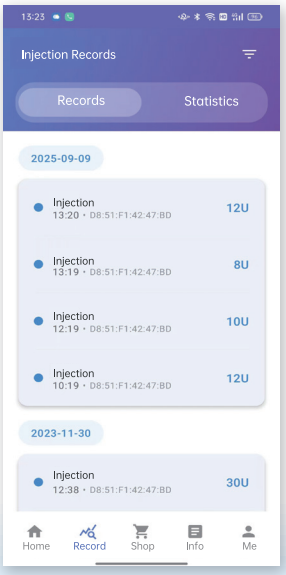
Ensures Safety and Reliability.

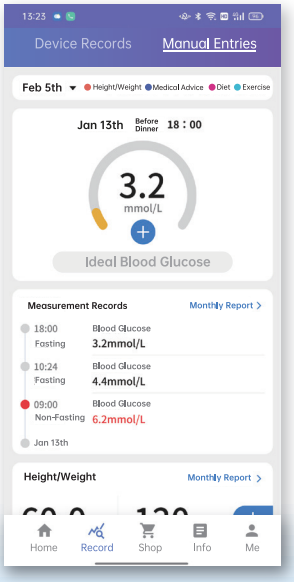


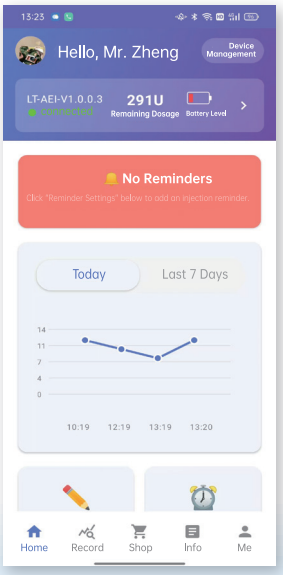
Integrated Safety System: Automatically locks and provides on-screen guidance for faults including needle issues, dosing errors, and low power to ensure safe injection.

Smart Management via a Dedicated App.

- **Health Management** — Blood Glucose, Diet
- **Data Analysis** — Trend Charts, Line Graphs
- **Supplies E-Store** (Planned)
- **User Community**
- **Information Services** — Health Guides, Science Updates
- **Remote Consultation** (Planned)
- **Exercise Tracking**
- **Additional Features**







Compact, Portable, and Easy to Store.



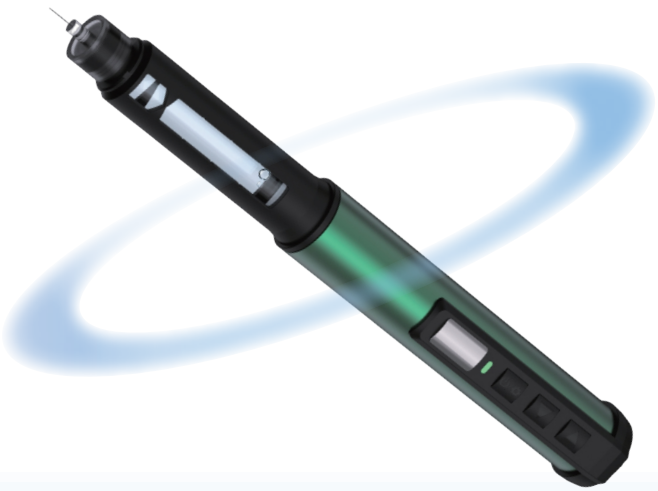
Easy Charging, Long Lasting Battery

Magnetic Charging: Snap-On, Secure and Convenient.

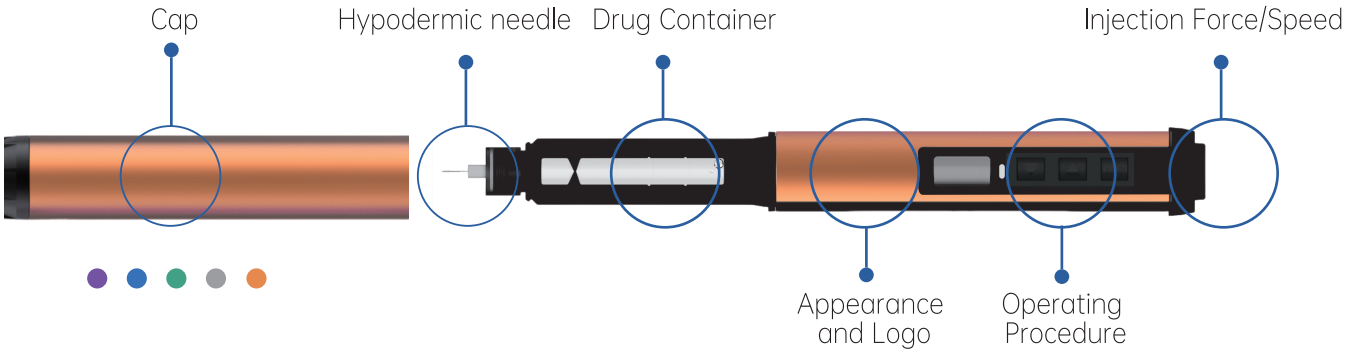
Go from zero to 100% charge in just 30 minutes.

Up to 30 days of battery life on a single charge. Use continuously with total peace of mind.





Tailored Development and Manufacturing



Ergonomic Design	Exterior contours crafted for patient comfort and specific use cases.
Container Compatibility	Supports cartridges and pre-fillable syringes (0.5 to 50 mL).
Injection Force	Customizable drive from 1 to 100 N to accommodate your drug's viscosity and other characteristics.
Injection Speed	Configurable injection pace within a defined range for optimal delivery.
Operating Procedure	Custom-developed SOPs based on clinical application requirements of the drug.
Connected Intelligence	A dedicated app designed for smart device management and data tracking.



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