

Automatic Cone Penetrometer for Ointments

T-PEN-001 - Measures the consistency of ointments and ophthalmic ointments by timed cone penetration with automatic release and non-contact displacement sensing.



Key features

- Automatic cone release and motorized lift
- Fine-adjustment sample platform with LED contact illumination
- Mean and RSD calculation with printed results
- Colour display; documented interface uses Chinese menus

Core specifications

Penetration range	>65 mm
Resolution	0.01 mm
Penetration time	5-99 s
Standard cone mass	102.5 ±0.05 g
Standard cone shaft mass	47.5 ±0.05 g
Platform adjustment	±25 mm; 0.1 mm
Standard container sizes	Ø102 ×65 mm / Ø75 ×62 mm
Repeatability limit	2 +0.02P
Reproducibility limit	9 +0.05P
Half cone / shaft masses	22.5 ±0.025 g / 15 ±0.025 g
Small container	Ø38.5 ×38.5 mm
Quarter cone + shaft mass	9.38 ±0.025 g
Micro container	Ø19 ×18 mm
Power supply / consumption	AC 220 V ±10%, 50 Hz / 40 W
Dimensions / weight	430 ×285 ×410 mm / 15 kg

Configuration and ordering

Standard Configuration

Instrument with automated cone mechanism, adjustable platform, LED light and result printing. Confirm which cone and container sets are included; the technical description does not give a consistent packing list.

Optional Accessories

Half-cone and quarter-cone assemblies with matching containers are orderable. Treat them as separately confirmed options until the quotation specifies otherwise.

Selection / Ordering Information

Specify sample type, cone size, container, penetration time and interface-language needs. Confirm the required pharmacopoeial method and electrical supply.

Penetration units are 0.1 mm; resolution 0.1 penetration unit equals 0.01 mm. P is the arithmetic mean of two results, and their difference must not exceed the stated repeatability/reproducibility limit. Documentation references the Chinese Pharmacopoeia without an edition; no certification is claimed.