

## APACO Greases Penetration Tester

Brand: APACO

Model: GPTA 400

Made in: IRAN

### Introduction:

- The grease cone penetrometer is designed and made as per International standard ASTM D217, Standard Test Method for Penetration of Bitumen, Standard Test Method for Cone Penetration of Lubricating Grease and Petrolatum and Asphalt Penetration Test in the Industrial Standard of Iranian Specifications and Test. Methods of Bitumen and Bituminous Mixture for Highway Engineering as well as **ASTM D5** Standard Test Method for Penetration of Bituminous Materials and **ASTM D217** Standard Test Methods for Cone Penetration of Lubricating Grease.
- It is mainly used to determine the needle penetration of bituminous mixture and cone penetration of lubricating grease (or petrolatum).
- It is also suitable to determine solid particle, powder, colloid and draw-food materials such as cheese, glycine, butter, cream and leavening.
- It can be widely used in food industry, highway engineering and other industrial fields.

### Features:

- The digital grease penetrometer adopts digital display to show the penetration number. Easy to observe.
- Six grade softening control. High timing control accuracy.
- The needle holder can be adjusted roughly and finely. It is convenient to adjust and exact to aim.
- Equipped with grease masher and constant temperature bath. The temperature in bath can be controlled automatically. Multipurpose and high cost performance.

### Specifications:

Measurement range	(0~600) penetration scale
Timing controller	5s, 8s, 10s, 12s, 30s and 60s, bias within $\pm 0.1s$
Resolution	0.01mm
Penetration accuracy	$\pm 1$ penetration
Heater power	200W
Temperature control accuracy	$25 \pm 0.1^{\circ}C$ (Note: The ambient temperature shall not exceed $20^{\circ}C$ )
Temperature control mode	High accuracy digital temperature controller
Constant temperature bath	Hard glass bath
Stirring	automatically stirred by a magnetic stirrer
Standard needle	$2.5 \pm 0.05g$
Standard cone	$102.5 \pm 0.05g$
Needle holder	It can be adjusted roughly and finely. Convenient to adjust just and exact to aim the sample
Others	Equipped with a cold light source and a magnifier; Convenient for operation and observation