

## STANDARD: ASTM P246, AASHTO T315, JTG E20-2011 T0628

It is used to evaluate the viscous (non-recoverable) and elastic (recoverable) properties of aged and unaged asphalt in the temperature range 5-85 °C by measuring the dynamic shear modulus  $G^*$  and phase angle  $\delta$  of the bitumen to predict the ability to resist rutting and fatigue cracking.

### APPLICATION

Asphalt, coatings, food, cosmetics, polymers, adhesives, medicine, composite materials, etc.

### CONFIGURATION

Host, temperature control (circulation) system, asphalt fixture (8/25mm), asphalt test software.

### TECHNICAL SPECIFICATIONS

Torque range	10nNm to 150nNm (200, 350 optional)
Torque resolution	0.1nNm
Displacement resolution	10nrad
Control mode	Stress/strain
Angular velocity	0-3rad/s
Rotating speed	<10 <sup>-7</sup> rads/sec to 300 rads/sec
Vibration frequency range	10 $\mu$ - 10Hz
Temperature range	-40~100 °C $\pm$ 0.1 °C
Power supply	220V, 50Hz
Dimensions	500*300*400mm(H*W*D)

