

Product Name :
Asphalt Mixture Testing Machine at High and Low Temperature

Product Code :
CHINAELABC5190001



Description :

Asphalt Mixture Testing Machine at High and Low Temperature

Technical Specification :

Bituminous mixture testing machine is intended for tensile, compression, bending tests for highway engineering asphalt, asphalt mixtures at -15~+60.

This asphalt testing machine is widely applied to modified asphalt, elastomer modified asphalt, asphalt base, petroleum asphalt, liquid petroleum asphalt, emulsified asphalt, hot-mixed bituminous mixtures, cold-mixed bituminous mixtures, modified asphalt mixtures, flexible base, semi-rigid base, rigid base, asphalt pavement, etc.

Max. test force: 100kN

Load class: Class 0.5

Measuring range of load: 1%-100%

Relative error of indication: Within $\pm 1.0\%$

Load resolution: $1/\pm 300000\text{FS}$

Measuring range of deformation: 0.2%-100%

Adjusting range of load rate: 0.005%-5%FS/S

Control precision of load rate: Within $\pm 1\%$

Adjusting range of deformation rate: 0.005-5%FS/S

Control precision of deformation rate: Within $\pm 1\%$

Adjusting range of displacement rate: 0.001-500mm/min

Control precision of displacement rate: Within $\pm 0.2\%$ of the set value

Stroke of cross head (without grips): 1400mm

Effective test span: 610mm

Control mode: Computer control

Power supply: Loading frame: 220VAC, 50Hz Test chamber: 380VAC, 50Hz
Power: 2.0kW+6.0kW
High and Temperature Test Chamber (movable and long-time test)
Working temperature/control accuracy: -15~+60/±0.5?
Heating/cooling mode: Heating by resistance wire/ cooling by liquid nitrogen injection/air circulation
Heating/cooling rate: RT+10~60/approx. 40min RT+10~-15/approx. 20min
Working room dimension: 450mm(W)x500mm(H)x400mm(D)
Chamber type: Made of stainless steel, inside with observation window, with lighting



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