

SYD-F03-60 Automatic Mixture Blender



Summary

The instrument is designed and made as per the Industry Standard of People's Republic of China JTG E20-2011 Standard Test Methods for Bitumen and Bituminous Mixtures for Highway Engineering. It is suitable to blend before making samples of bituminous mixture. The instrument has small volume, reasonable structure and easy to operate. It is the first choice instrument for manufacturing enterprises, highway, bridge, airport, college and scientific research institutes.

I. Main technical specifications

1. The instrument adopts advanced micro processor controlling technology. So it can preset blending temperature in the range of ambient temperature $\sim 200^{\circ}\text{C}$ at random. Automatically adjust and control PID parameters, and automatically control blending time. It can also be used in the laboratory for the sample test.
2. The maximum blending cubage is 60L. It can be used in the construction field of highway, bridge, and airport, etc, and it can also be used in the laboratory for a sample test.
3. The instrument has functions of protection, and it can avoid mechanical destruction according to mistakes.
4. The instrument adopts floor type, novel design, reasonable structure and convenient to use.

II. Main technical parameters and specifications

1. Blending cubage : 60L ;
2. Range of temperature controlling : ambient temperature $\sim 200^{\circ}\text{C}$;
3. Temperature controlling accuracy : $+5^{\circ}\text{C}$;
4. Timing range : 0~999 s ;
5. Timing accuracy : $+0.1$ s ;
6. Blending speed :
 - (1) Rotation speed: 67 ring /min;
 - (2) Revolution speed: 42 ring /min;
7. Stir motor: 380V, 2200W, 1400 ring/min, 50Hz;
8. Going up and down of the motor: 380V, 750 W, 1400 ring /min, 50Hz;
9. Environment temperature: $-5^{\circ}\text{C} \sim +50^{\circ}\text{C}$;
10. Environment humidity: $\leq 80\%$ (relative humidity);
11. Dimension: 1066mm*650mm*2100mm;
12. Total weight: 1100 kg;
13. Power Supply: AC (380+10), 50Hz, 30A (three-phase four-wire system, with zero line).