

Reference Fuel Blending System For Octane/Cetane Rating Engine



Shanghai Sinpar Scientific Instrument Co.,Ltd
Manufacturer of Octane Rating Engines in China
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Reference Fuel Blending System

Automatic Reference Fuel Blending Unit

equipped with 6 tanks, is used for the automated preparation of octane and cetane reference fuels and standardization fuels for octane test engine and cetane test engine according to ASTM D2699, ASTM D2700, ASTM D2885, and ASTM D613.

Features & Benefits

Standards

ASTM D2699, ASTM D2700, ASTM D2885, ASTM D613
It's suitable for *long-time error-free* octane/cetane rating operation.

High Precision

A high precision balance is used for gravimetric measurement to improve the accuracy of octane/cetane test results.

Simple Operation

Built-in touch-screen panel with *easy-to-use* software simplifies blending operation process.

Accuracy and Efficiency

Automatic calculation program controls the whole blending process to *eliminates human error* and improve the efficiency of octane and cetane number determination.

Safety and Real-Time Monitoring

The unit is equipped with electrical protection & temperature monitoring system. Fuel temperature and blending material level in tank are monitored in real time.

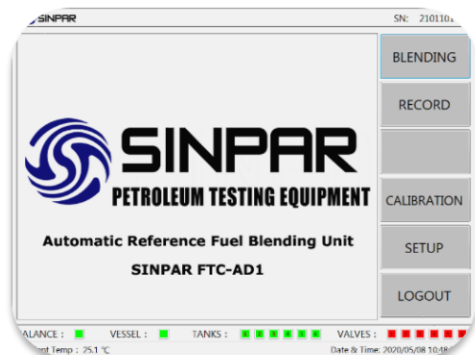


Automatic Blending By Weight

SINPAR Reference Fuel Blending System prepares the reference fuel blends by weight (precision balance) based on the ASTM methods. With the automatic calculation and control program, a high precision balance delivers an accurate and reliable fuel blend value with the precision of 0.01g.

Professional Fuel Blending Software

The professional software controls all blending process, and makes blending operation simple. The operator just needs to select the blending mode, input the target octane/cetane number and sample volume, and start blending. The fuel blend is delivered automatically. Blend data is automatically saved in the computer and can be printed as the blend certificate. Free Blending function is offered for a special fuel blending for special engines.



Specification

Applicable Standards	ASTM D2699, ASTM D2700, ASTM D613
Application	For Octane and Cetane Determination
Measurement Mode	Gravimetric Measurement by Precision Balance
Fuel Blending Mode	Automatic Fuel Blending System with Software
Operating Mode	Built-in Touch Screen Computer
Tank Quantity	6 Tanks of 10L. each, for Iso-Octane, N-Heptane, Toluene, 80/20 Blend, N-Cetane, and HMN/AMN
Accuracy	±0.01 ON/CN
Speed	2 min/500 ml
External Filling System	Automatic Filling the Internal Tanks from External Tanks under the Nitrogen Pressure (<i>Option</i>)
Monitoring System	Real-Time Monitoring Fuel Temperature and Level; Low Fuel Level & Overfilling Warning
Calibration Function	Precision Electronic Balance and Dosing Pumps
Blend Data	Auto-Saved Data including: Date Time, Serial Number, Test Method, Blending Components, Blend Parameters
Power Supply	100-240VAC 50Hz/60Hz with Single Phase
Safety System	Electrical Protection System & Temperature Monitoring
Ventilation System	Available to Connect with Aspirator or Ventilation Duct
Weight	165.0 kg (with empty tanks)
Dimension	85.0x65.0x168.0 cm



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