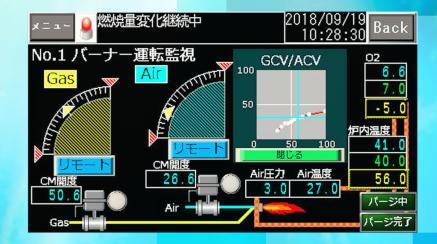
Industrial Burner Air-Fuel Ratio Optimizing System



Little More Ecology, Little More Economy The New Way of FEMS for Your Plant Optimization

EL-OT(Electrical Linkage Oxygen Trim) Control

Replaced to the Electrical Linkage to Control the Combustion Volume as same with Mechanical Linkage. Trim Control is to Monitor the Residual Oxygen Concentration in Exhaust Gas and Adjust the Air Fuel Ratio to Optimize the Combustion Volume.



High Performance with Minimum Component

PLC, HMI Oxygen Sensor, Pressure Transmitter, and Electrical Actuator(optional) Either Way Available Modify the Existing or Build the New Panel



Instinctive Operation

Then, Input the Target Value to Operate

Just to Prepare the Electrical Linkage Table on HMI

(Oxygen Concentration, In-Furnace Temperature)

Suitable with the New or Existing Equipment

Class G : Electrical Actuator Drive Type Class S : Control Motor(ON/OFF) Drive Type Availabe Up to 14 Burners to Control Optional: Recuperator Type, Exhaust Gas Sampling Unit

Advantages of Flame Brain

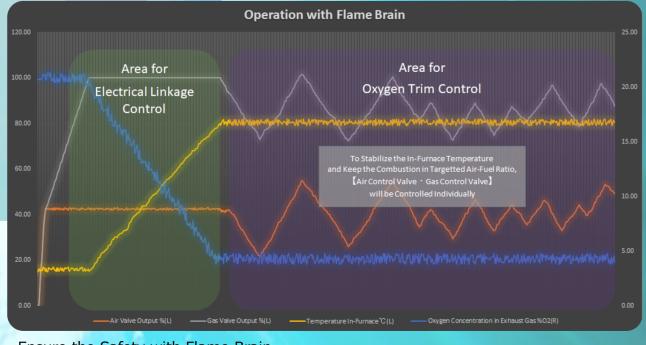
①Optimize the Plant Energy Volume to Save the Earth
②The Newest Way to Optimize the Air-Fuel Ratio for Industrial Burners
③Suitable for both Gas Burner and Oil Burner with Same System
④No Need the Flow Meter for Air and Fuel
⑤No Need the Seasonal Adjusting Maintenance
⑥Generate the Turndown Performance of the Burner
⑦Optimize the Air-Fuel Ratio in All the Combustion Volume

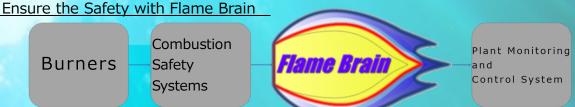


Suitable Application for Flame Brain

Any Industry Application(Steel, Vehicle, Food, or Chemical) with the Industrial Combustion Equipments

«Note: Flame Brain is unsuitable for the application with air infiltration due to measure the oxgen concentration in exhaust gas





e Brain System			
wing 2 different models			
Ilve drive type			
ator(4-20mA Input) Drive			
ON/OFF) Drive			
ons	(2) Recuperator Model (HEX Type) *Option		
1 unit / Furnace	⑦RTD(Pt100) for Pre-Heated Air Temperature	1 unit / Burner	
stion Air Monitoring			
1 unit / Burner	(3) High Temp. Gas (700 degC or higher) Type	e *Option	
1~14 Burner / System	Sampling Pipe Unit (Ejector Type)	1 unit / Furnace	
1 unit / System	Sealing Chamber for Dust	1 unit / Furnace	
1 unit / Burner			
1 unit / Burner			
test our Flame Brain a	at your plant? Please ask!		
	wing 2 different models lve drive type ltor(4-20mA Input) Drive DN/OFF) Drive ns 1 unit / Furnace stion Air Monitoring 1 unit / Burner 1~14 Burner / System 1 unit / System 1 unit / Burner 1 unit / Burner	wing 2 different models lve drive type utor(4-20mA Input) Drive DN/OFF) Drive 1 unit / Furnace stion Air Monitoring 1 unit / Burner 1 ~14 Burner / System 1 unit / System 1 unit / Burner 1 unit / Burner 1 unit / Burner 1 unit / System 1 unit / Burner 1 unit / Burner	wing 2 different models lve drive type itor(4-20mA Input) Drive DN/OFF) Drive ns (2) Recuperator Model (HEX Type) *Option 1 unit / Furnace (2) Recuperator Model (HEX Type) *Option (2) Recuperator Model (HEX Type) *Option (3) RTD(Pt100) for Pre-Heated Air Temperature 1 unit / Burner 1 unit / Burner 1 unit / Burner 1 unit / System 1 unit / System 1 unit / System 1 unit / Burner 1 unit / Burner

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Your Inquiry to Mr. Kubota

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