

COMBUSTION PACTM LT



Single Point Positioning

Parallel Positioning

Cross-Limited Full Metering

The COMBUSTION PAC™ LT is now available in three configurations. For single point and parallel positioning, the basic package has two Allen-Bradley MicroLogix™ PLC's, one for the Burner Management System (BMS) and the other for the Combustion Control System (CCS). If desired, the BMS PLC can be replaced with a Fireeye BurnerLogix™ microprocessor based burner management control system. For full-metered applications the CCS is upgraded to an Allen-Bradley CompactLogix™ PLC combined with the BurnerLogix BMS. This combination gives full flexibility including the use of both electric and pneumatic actuators.

COMPARISON OF FEATURES AND BENEFITS

Features	Combustion Pac ^{LT}	Autoflame	Fireeye Nexus	CB Hawk ICS	Preferred Instruments
10" full color touchscreen interface standard	YES	N/A	OPT	OPT	OPT
PLC based Combustion Control System	YES	NO	NO	YES	NO
Readily available non-proprietary components	YES	NO	NO	YES	NO
Parallel positioning available	YES	YES	YES	YES	YES
Full metered, cross limited control available	YES	NO	NO	NO	NO
Ultraviolet or Infrared flame scanner available	YES	NO	YES	NO	YES
Flame Strength Display	YES	NO	YES	YES	YES
Oxygen trim available	YES	YES	YES	YES	YES
Integrated 1 or 2-element Drum Level Control available	YES	NO	NO	NO	YES
Dual fuel capability	YES	YES	YES	YES	YES
Oil atomization air/steam control available	YES	NO	NO	NO	YES
Ethernet communications interface	YES	NO	NO	YES	YES
FGR Control available	YES	YES	NO	YES	YES
Easy touchscreen configuration menus	YES	NO	NO	YES	OPT

Single Point Positioning

Parallel Positioning

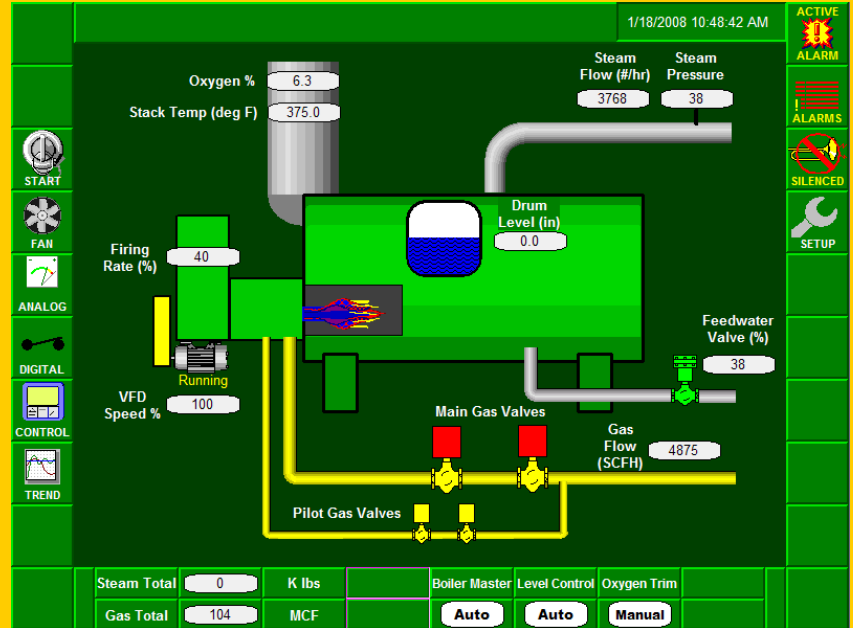
Cross Limited Full Metering

STANDARD FEATURES

- Integrated Burner Management System
- Single Point combustion control
- PLC based BMS and CCS
- Rugged NEMA 12 enclosure
- 10" Color Touch Screen
- Fully adjustable pre-purge and post purge times
- Ethernet Communications
- NFPA 85 compliant

OPTIONS

- Parallel Positioning combustion control
 - air damper actuator
 - register actuator
- Full Metered combustion control
 - Air Flowmeter
 - Gas Flowmeter
- Drum level control (1 or 2 element)
 - Drum Level Transmitter
 - Steam Flowmeter
- Oxygen Trim
- Dual fuels w/ atomizing media control
- Combustion Air Fan VFD



Based on micro-sized programmable logic controllers, the **COMBUSTIONPAC™ LT** brings a new level of flexibility to packaged boiler control systems. Straightforward configuration templates on the versatile touch screen interface allow fast setup for a variety of boiler arrangements. From simple jackshaft control to full-metered with Oxygen trim, the **COMBUSTIONPAC™ LT** can cover a wide range of combustion control scenarios. Add one or two element drum level control and the **COMBUSTIONPAC™ LT** is up to most any boiler control task.

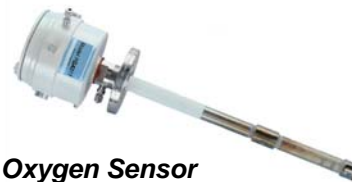
ACCESSORIES



UV Flame Scanner



Control Actuator



Oxygen Sensor



Differential Pressure Transmitter



IR Flame Scanner



Pressure Transmitter

supervisory control and data acquisition

biomass

boiler control systems

turnkey

central energy plant control systems

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