



PREFERRED INSTRUMENTS

A division of Preferred Utilities Manufacturing Corp.

MANUFACTURERS OF COMBUSTION CONTROLS AND CONTROL SYSTEMS



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Press Release

New Industrial Boiler Control System Guarantees **Improved Boiler Performance**

Danbury, CT- March 12, 2001-Preferred Instruments has introduced the **BurnerMate™** Boiler Control System. BurnerMate is a pre-packaged, fully metered Combustion Control (with oxygen trim), Burner Management and remote SCADA (Supervisory Control and Data Acquisition) system, offered at **significantly lower price levels** than comparable systems.

The BurnerMate incorporates Preferred's boiler specific and proven PCC-III Multiple Loop Controller for combustion control functions, an industrial hardened microprocessor for flame safeguard functions and a PC based SCADA workstation for graphical monitoring and remote operation. An additional PCC-III Controller may be added for Drum Level, Draft, FGR or Variable Speed Drive controls or for monitoring of plant data acquisition points. BurnerMate is a full scope control package that assures safe and efficient control with undivided system integration responsibility.

The BurnerMate offers the **best** opportunity to save fuel dollars with a control system upgrade. Fully metered systems measure and control both fuel and air flow, assuring the accurate maintenance of fuel and air flow setpoints. Parallel positioning and jackshaft systems do not control fuel and air flows based on actual flow measurements and as a result require fuel wasting "extra" excess air to compensate for control system errors. Parallel positioning and jackshaft systems cannot compensate for draft and air temperature changes, control valve and pressure regulator hysteresis, or pressure changes in combustion air or fuel pressure. The best way to ensure efficient combustion with dependable availability is with a fully metered combustion control system.

We guarantee improved boiler performance! Preferred Instrument offers boiler owners a free boiler system performance evaluation. Based on this evaluation, our BurnerMate proposal includes a flue gas oxygen concentration guarantee and an estimated annual operating cost savings. Flue gas oxygen concentration is a key indicator of boiler performance and is measured and trended by the BurnerMate system.

Preferred Instruments engineers and manufactures instrumentation and control systems for steam and hot water generator applications. Preferred's focus on combustion applications brings the experience of over 1000 boiler control system installations to the design of this product.