O₂ Measurement Using a Zirconia Sensor.

O2 is an important parameter to measure and control in kilns and furnaces. The diagram below shows the Tiger 320 Series DI-50 controller connected to a Zirconia O_2 sensor with a built-in thermocouple.

The controller calculates the O_2 level from the temperature and mV level of the sensor. The result is then displayed on the controller.

The Tiger provides a reliable, cost-effective solution, enabling even very small boilers to be upgraded to reduce pollution and save on fuel costs.

Environmental Control



probes that require a heater and provide auto calibration sequencing for probes that have a calibration gas input.

Suggested Ordering Code Options for This Application

Basic Order Codes	Comments	
DI-50E-DR-PS1-IDT5	Calculate and display O ₂ Level	TE
DI-50R-DR-PS1-IDT5-AIC-OR11	4-20mA output to control combustion. Relays to control air intake	