

EtaPRO Gas Turbine Combustion Can-Alyzer

EtaPRO's Gas Turbine Combustion Can-Alyzer helps operators identify malfunctioning combustion cans quickly, thereby avoiding wasted hours of trial-and-error inspections and maintenance. The Can-Alyzer automatically "corrects" combustion can position according to swirl angle so that exhaust temperature thermocouples point to the correct combustion can. A polar plot of exhaust temperatures highlights hot cans to identify overheating conditions quickly and easily.

Find Hot or Cold Combustors Fast!

Combustion problems result in overheating and thermal damage to combustion cans and associated components. Detecting the problem combustion can requires an understanding of the relationship between combustion gas swirl and the exhaust temperature profile. This relationship is determined by the "swirl angle" and is a function of gas turbine load. Available from the gas turbine manufacturer, or determined from tests, the swirl angle is computed by EtaPRO for current load and used to automatically align the combustion cans with the exhaust temperature profile. Using the full-color "live" graphic, operations and maintenance personnel can identify individual cans requiring inspection attention, thereby avoiding costly trial-and-error approaches to this common problem.

