Excess Air from Flue Gas O_2, CO_2 and CO

11/10/2026

Project: flue-gas-analyzer-converter

Input Parameters

Oxygen in dry flue gas	3.0000 %
Carbon dioxide in dry flue gas	10.500 %
Carbon monoxide in dry flue gas	10.000 ppm

Calculated Results

Excess air, simple O_2 method	16.713 %
Excess air, PTC 4 nitrogen balance	15.054 %
Nitrogen in dry flue gas (by difference)	86.499 %
Air ratio λ = 1 + EA (PTC 4)	1.1505