

ZTR3 Ex-Proof Zirconia O2+COe Combustion Analyzer

Compact ex-proof in-situ zirconia O2+COe analyzer for combustion control.

Overview

The ZTR3 is an Ex-proof in-situ zirconia O2+COe dual analyzer for combustion control, combining a compact, lightweight probe with remote electronics for fine-tuning air/combustible ratios to improve process efficiency without compromising safety.

Operating Principle

A full 316L stainless steel zirconia probe (type ZPL2) measures residual O2 and combustibles (COe) directly in the flue via FiNCORE Technology for fast response, with electronics and calibration handled remotely by the ZTR3 transmitter unit through 4 integrated ex-proof buttons.

Key Features

- FiNCORE Technology for very fast response time
- Remote electronics and calibration
- Full 316L stainless steel probe construction
- 4 integrated ex-proof buttons on transmitter
- ATEX/IECEX Zone 1 certified (probe & transmitter)
- PESO approved (certificate P630870)

Benefits

- Compact, light probe design simplifies installation
- Excellent accuracy and reliability for combustion trim
- Remote transmitter placement keeps electronics away from harsh probe environment

Typical Applications

Boilers, Industrial Furnaces, Incinerators, Process Heaters

Technical Specifications

Measurement

Parameters	O2 + COe (combustibles)
Technology	Zirconia, FiNCORE fast-response
Probe Material	Full 316L stainless steel

Certification — Probe (ZPL2)

Rating	ATEX/IECEX Zone 1, Ex II 2 G, Ex db IIB+H2 T4 Gb
Ambient	-20°C to +60°C

Certification — Transmitter (ZTR3)

Rating	ATEX/IECEX Zone 1, Ex II 2 G, Ex d e IIC T6 Gb
Certification Ambient	-40°C to +55°C
Operation Ambient	-20°C to +55°C
Additional	PESO approved, cert. P630870

System Includes

Components	ZPL2 probe, ZTR3 transmitter, deflecting sampling tube, junction box + cable (if >3m), calibration kit, labelling, calibration line
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