



Measurement Products

Endura AZ30 combustion gas O₂ analysis
Rugged, stable operation even in
hazardous applications

For tough, hazardous applications the choice is now easy

Harsh environments demand rugged, robust and stable combustion analysers; solutions that are effective and efficient even in tough, hazardous applications.

From hydrocarbon processing and power generation to process industries, Endura AZ30 combustion gas analysers help plant operators generate revenues while reducing costs.



Innovation based on over 50 years of experience

Re-engineered and simplified, the Endura AZ30 series saves you money, time and inconvenience. From rugged enclosures, self diagnostic electronics and auto calibration, to the use of common components combined with proven, innovatively applied technologies, the result is solutions that are easier to specify, install, configure, maintain and use.

Flexibility comes as standard

The Endura AZ30 Series provides a solution to just about every combustion gas oxygen analysis problem. The options include long life probes of up to 4m in length with integral or remote electronics. These deliver stability and accuracy in hot, dusty, humid and high sulphur applications. There are industry standard flange configurations and extensive installation options to choose from.

The key benefits at a glance

Robust and highly stable; due to advanced design, precision manufacturing, long life serviceable probes and rugged enclosures.

Ease of use with self calibration and diagnostics, simple operation via user friendly interfaces and fast, easy access components for complete site serviceability.

Hazardous area certification

Based on ABB's long history in the gas analysis business, the rugged, robust and stable Endura AZ30 is capable of performing in the most arduous applications encountered in combustion gas analysis. This includes hazardous area locations where safe operation is paramount.

ATEX certification:

- Certified for use in Zone 1, Zone 2, Zone 21, Zone 22 in Gas Groups IIA, IIB + H2 and Dust IIIC

FM - USA and Canada:

- Certified for use in Class I Div 1 Gas Groups BCD Class II Div 1 Dust Groups EFG

High return on investment and low cost of ownership thanks to common longer lasting components, reduced footprint and lower installation, maintenance and purchasing costs.

Choose Endura AZ30 Series and relax

The Endura AZ30 Series delivers superior operational efficiency and total customer confidence. ABB has a global reputation as a leading and innovative technology supplier; renowned for quality, consistent accuracy, long term reliability and safety.

Technical features include:

Advanced design and precision manufacturing

- robust, long-life probe
- proven cell design from over 50 years experience
- fast response to process variations
- stable and accurate Oxygen measurement

Unique integrated auto-calibration system

- easy compliance for emission monitoring regulation
- reduced installation costs; eliminates requirement for expensive external calibration panel
- reduced maintenance costs

Probe lengths up to 4m (13ft) and industry-standard flange configurations

- suitable for a wide range of applications
- extensive installation options

Innovative corroded fixings release

- fully site-serviceable probe
- ease of access to internal components

Advanced transmitters

- easy configuration, monitoring and diagnostics
- HART communications
- cell performance logging and diagnostics



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