

Oxygen Sensor Probe for Industrial Applications

This oxygen sensor probe is designed for accurate oxygen concentration measurements in various industrial applications. It features durable construction with a protective sleeve and is suitable for use in harsh environments, providing reliable and consistent data.



ADDITIONAL IMAGES



Overview

Industrial Oxygen Measurement Solution

Designed for demanding metallurgical environments, this oxygen sensor probe provides rapid and accurate measurements of oxygen activity and temperature in molten steel. Utilizing solid dielectric concentration cell technology, the probe ensures precise control over steelmaking operations, helping to optimize deoxidizer addition and improve overall steel purity. It is engineered for reliability in high-temperature applications ranging from converters to refining furnaces.

Technical Specifications

Temperature Range

1200 °C

Min Temperature

1750 °C

Max Temperature

Response Times

Component	Time
Oxygen Cell	6-8s
Thermocouple	2-5s
Total Response	10-12s

Oxygen Activity Range

1000 ppm

Oxygen Potential

-200 to +350 mV

Operational Details

Compatible Environments

- Converter
- Electric Furnace
- Refining Furnace
- LF (Ladle Furnace)
- RH
- DH
- Tundish

Available Probe Types

High Oxygen Probe, Low Oxygen Probe

Measurement Efficiency

95 %

Customization Options

Available Lance Lengths

- 3m
- 3.5m
- 4m
- 4.5m
- 5m
- 5.5m

Paper Tube Length

1.2m (customizable)