

PHARMACEUTICAL

The remedy for your process requirements

Pharmaceutical applications require outstanding sensitivity and stability combined with accurate real-time monitoring.

AMETEK Process Instruments delivers field-proven systems that provide the multi-component analysis required for fermentation process control and drying while offering compact designs and ease of operation.

WDG-V

MEASURES: O₂, Combustibles, CH₄

RANGE

O₂: From 0-1% to 0-100%
Combustibles: From 0-2,000 ppmv to 0-10,000 ppmv or from 0-1% to 0-5%
Hydrocarbon: From 0-1% to 0-5%

ACCURACY

O₂: ±0.75% of measured value or ±0.05%, whichever is greater
Combustibles: ±2% of full scale output range
Hydrocarbon: ±5% of full scale output range

PROCESS

Fired Heaters, Power and Steam Generation

APPLICATION

Combustion Control in Process Heaters, Power and Steam Boilers, Thermal Oxidizers



TECHNOLOGY: ZrO₂, Catalytic sensor

5100HD

MEASURES: O₂, H₂O

RANGE

H₂O: ppmv to % level, application dependent
O₂: 0-5%; 0-25%

ACCURACY

O₂: ±0.2%

PROCESS

Drying Operations

APPLICATION

Moisture in Final Product, Oxygen Concentration in Dryers



TECHNOLOGY: TDLAS

WDG-HPII

MEASURES: O₂, Combustibles

RANGE

O₂: From 0-1% to 0-100%
Combustibles: From 0-2,000 ppmv to 0-10,000 ppmv or from 0-1% to 0-5%

ACCURACY

O₂: ±0.75% of measured value or ±0.05%, whichever is greater
Combustibles: ±2% of full scale output range

PROCESS

Lime Kilns

APPLICATION

Combustion Control



TECHNOLOGY: ZrO₂

ProMaxion

MEASURES: N₂, O₂, CO₂, CO, Argon, Methanol, Ethanol, Organic Solvents, VOCs, and other components m/z 1-200

RANGE

1 ppmv-100%; 25 ppbv to 10 ppmv with membrane inlet

ACCURACY

±0.5% of measured value for argon in air

PROCESS

Safety-Health, Endpoint Detection

APPLICATION

Ambient Air, Solvent Drying, Reaction Monitoring



TECHNOLOGY: Mass Spectrometer

ProLine

MEASURES: N₂, O₂, CO₂, CO, Argon, Methanol, Ethanol, Organic Solvents, VOCs, and other components m/z 1-200

RANGE

1 ppm-100%

PROCESS

Safety-Health, Endpoint Detection

ACCURACY

±0.5% of measured value for argon in air

APPLICATION

Ambient Air, Solvent Drying, Reaction Monitoring



TECHNOLOGY: Mass Spectrometer

