
Hot Wet Measurement Ametek Process Instruments

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“Hot-Wet” Measurement

PROCESS INSTRUMENTS WESTERN RESEARCH ® Technical Note [www.ametekpicom.com](#) SRU Continuous Emission Measurement “Hot-Wet” Measurement “Hot-Wet” measurement means analyzing the stack gas sample on an “as-is” basis, and maintaining the integrity of the sample from extraction through analysis The prime objective of Hot-Wet measurement is to

SRU Continuous Emission Measurement TERN RESEARCH

PROCESS INSTRUMENTS WESTERN RESEARCH ® TECHNICAL NOTE [www.ametekpicom.com](#) SRU Continuous Emission Measurement “Hot-Wet” Measurement What is it? Why does AMETEK use Hot-Wet measurement? “Hot-Wet” measurement means analyzing the stack gas sample on an “as-is” basis, and maintaining the integrity of the sample from extraction through

PROCESS INSTRUMENTS Model 919 Hot/Wet Single Gas ...

PROCESS INSTRUMENTS WESTERN RESEARCH ® [www.ametekpicom.com](#) Model 919 Hot/Wet Single Gas Analyzer The Need The AMETEK Process Instruments Model 919 has been specifically designed to meet the requirements of the most challenging process and emissions monitoring applications in a cost-effective fashion The Model 919 is a UV-based photometric

Model 919 Hot/Wet Single Gas Analyzer - Petrosystems

PROCESS INSTRUMENTS WESTERN RESEARCH ® [www.ametekpicom.com](#) Model 919 Hot/Wet Single Gas Analyzer The Need The AMETEK Western Research® Model 919 has been specifically designed to meet the requirements of the most challenging process and emissions monitoring applications in a cost-effective fashion The Model 919 is a UV-based photometric

Model 919 Hot/Wet Single Gas Analyzer

Model 919 Hot/wet Single Gas Analyzer Model 919 Single Gas Analyzer The AMETEK Western Research ® Model 919 has been specifically designed to meet the requirements of the most challenging process and emissions monitoring applications in a cost-effective fashion The Model 919 is a UV-based photometric analyzer capable of measuring any one of

Model 909 Hot/Wet Single Gas Mass Flow CEM

• Incorporates flow measurement for emission rate calculations APPLICATIONS • CEM applications in: —Sulfur plants —Smelters —Coal, oil and gas fired power plants —Industrial boilers and process heaters THE NEED The AMETEK Western Research® Model 909 is a single gas version of our Model 910 Continuous Emissions Monitor

Model 909 Hot/Wet Single Gas Mass Flow CEM

PROCESS INSTRUMENTS WESTERN RESEARCH ® www.ametekpicom Model 909 Hot/Wet Single Gas Mass Flow CEM The Need The AMETEK Western Research® Model 909 is a single gas version of our Model 910 Continuous Emissions Monitor The analyzer is specifically configured for monitoring stack emissions on a mass rate basis It measures stack effluent

Model 910 Hot/wet Multi-Gas CEM - ASaP

Model 910 Hot/wet Multi-Gas CEM THE NEED The Model 910 is a version of the Model 920 specifically configured for monitoring stack emissions on a mass rate basis The standard configuration measures stack effluent temperature and velocity in addition to pollutant concentrations at stack conditions, enabling mass emission rates to be reported

ANALYTICAL INSTRUMENTATION MAINTENANCE SYSTEMS ...

AMETEK Process Instruments WR Series Hot/Wet Analyzers Hot/Wet Extractive UV Photometric Analyzers -Single component analyzer systems Models 909 and 919 o Common components measured: SO₂, NO, NO₂, H₂S, COS, CL₂, NH₃ -Multi-component analyzer systems Models 910 and 920 o Simultaneous determination of SO₂, NO, NO₂ (as NO_x)

PRODUCT CONFORMITY CERTIFICATE

Model 910 Hot/Wet Multi-Gas Mass Flow CEM Model 920 Hot/Wet Multi-Gas CEM Model 919 Hot/Wet Single-Gas CEM Model 909 Hot/Wet Single-Gas Mass Flow CEM manufactured by: AMETEK Process Instruments 2876 Sunridge Way NE Calgary Alberta AB T1Y7H9 Canada has been assessed by Sira Certification Service

Introduction Advantages of a Laser Based Analyzer

TDLAS-based AMETEK 5100 series analyzers, which offer a number of significant features compared to other laser-based analyzers in the market The 5100 series contains offerings that are based on extractive sample systems, many of these are designed for hot/wet sample systems, requiring no additional sample conditioning These analyzers are

Based on Tunable Diode Laser Absorption Spectroscopy (TDLAS)

The AMETEK model 5100 HD is an extractive type analyzer designed for hot/wet sample analysis The 5100 HD can be configured to analyze not only oxygen but also H₂S, H₂O, CO₂, CO, CH₄, C₂H₂, C₂H₄ and many other small gas molecules There is no sample conditioning required for the analyzer system other than particulate filtering and

Model 920 Multi-Gas Analyzer

Model 920 Multi-Gas Analyzer THE NEED The Western Research ® Model 920 has been specifically designed to meet the requirements of the most challenging process and emissions monitoring applications in a cost effective fashion The Model 920 is a multi-component analyzer capable of

measuring up to five different gases simultaneously

TEMPERATURE MEASUREMENTS IN - ametek-land.com

than the older wet process The process consists of the following stages: for making any kind of measurement Temperatures are very high, there is a lot of dust, and tumbling clinker can required that can detect a small hot spot with a rapid response AMETEK Land's HotSpotIR scans the belt at 100 scans per second, detecting

1221 Distillation Sample Probe - Universal Analyzers

measurement) • Decoke Operations (CO measurement) • Fluidized Catalytic Cracking Units (FCCU) • Syngas Typical Installations • Ethylene Effluent • Decoke headers • Hot, wet or dirty process gases • Pyrolysis gases • Heavy particulate removal Pat Pending ...

BIOMASS FUELS - Land Instruments International

PROCESS INSTRUMENTS THERMOX ® www.ametekpicom CEM/Humox Measurement of moisture in flue gas to calculate emissions on a dry or wet basis The CEM/Humox Moisture in Flue Gas Analyzer is designed to measure net oxygen and moisture content in flue gas and process applications The O₂ and

Model 1221 Distillation Sample Probe - Universal Analyzers

improving measurement accuracy and reliability The 316SS self-cleaning separator is designed to condense and wash heavy components in the sample back into the process along with any deposited solids avoiding the regular 'plugging' that occurs with conventional conditioning systems Maintenance of the

Application Note Wet Gas Scrubbers - Barben Analytical

Initial protection against process Large surface area ION PATH® Figure 2 pH measurement on the oxidation towers is often done on the piping between each tower As mentioned, these applications are less aggressive thus the 547 hot tap sensor or the Barben 546 sensor on a sample line works well The 546 sensor used 3/4" threads thus can be

Acid Plant Instrumentation & Control Section

Ametek, model 4600 Hot-Wet measurement Sample line is electrically traced and insulated There are no moving parts No mechanical pump Sample is extracted and drawn through the analyzer with an air driven aspirator Analyzer cabinet located at grade To Probe Sample line traced and insulated Aspirator

Application Note Wet Flue Gas Desulfurization Scrubbers

process is pH dependent In this paper we will explore some of the challenges in this type of pH measurement The FGD scrubber uses chemical reagents sprayed into the flue gas to react with the SO₂ Many different reagents have been used over the years Examples include ammonia, caustic, lime, limestone, and sodium carbonate