

Configuration Data Sheet

00806-0300-4803, Rev AA

July 2008

Natural Gas Data Sheet

BOLD = Required Value
***** = Default Value

Select only one of the items provided
 One or more of the listed items can be selected

Customer Information	
Customer: _____	Contact Name: _____
Phone No.: _____	Fax No./Email: _____

Tagging
Instrument Tag: _____

Natural Gas Characterization Methods	
Choose one of the desired characterization methods and complete the section listed to the right of the method.	
<input type="radio"/> AGA Report No. 8 Detail Characterization Method	Complete Section 1 - AGA8
<input type="radio"/> AGA Report No. 8 Gross Characterization Method 1	Complete Section 2 - AGA8
<input type="radio"/> AGA Report No. 8 Gross Characterization Method 2	Complete Section 3 - AGA8
<input type="radio"/> ISO 12213, Molar Composition Method	Complete Section 1 - ISO 12213
<input type="radio"/> ISO Physical Properties Method (SGERG 88)	Complete Section 2 - ISO 12213

Section 1.					
Select the components and enter the mole %.			Mole	Valid Range	
				AGA 8	ISO 12213
<input type="checkbox"/> CH4	Methane mole percent	_____	%	0-100 percent	50-100 percent
<input type="checkbox"/> N2	Nitrogen mole percent	_____	%	0-100 percent	0-50 percent
<input type="checkbox"/> CO2	Carbon Dioxide mole percent	_____	%	0-100 percent	0-30 percent
<input type="checkbox"/> C2H6	Ethane mole percent	_____	%	0-100 percent	0-20 percent
<input type="checkbox"/> C3H8	Propane mole percent	_____	%	0-12 percent	0-5 percent
<input type="checkbox"/> H2O	Water mole percent	_____	%	0-Dew Point	0-0.015 percent
<input type="checkbox"/> H2S	Hydrogen Sulfide mole percent	_____	%	0-100 percent	0-50 percent
<input type="checkbox"/> H2	Hydrogen mole percent	_____	%	0-100 percent	0-10 percent
<input type="checkbox"/> CO	Carbon Monoxide mole percent	_____	%	0-3.0 percent	0-3.0 percent
<input type="checkbox"/> O2	Oxygen mole percent	_____	%	0-21 percent	0-21 percent
<input type="checkbox"/> C4H10	i-Butane mole percent	_____	%	0-6 percent ⁽¹⁾	0-1.5 percent
<input type="checkbox"/> C4H10	n-Butane mole percent	_____	%	0-6 percent ⁽¹⁾	0-1.5 percent
<input type="checkbox"/> C5H12	i-Pentane mole percent	_____	%	0-4 percent ⁽²⁾	0-0.5 percent
<input type="checkbox"/> C5H12	n-Pentane mole percent	_____	%	0-4 percent ⁽²⁾	0-0.5 percent
<input type="checkbox"/> C6H14	n-Hexane mole percent	_____	%	0-Dew Point	0-0.1 percent
<input type="checkbox"/> C7H16	n-Heptane mole percent	_____	%	0-Dew Point	0-0.05 percent
<input type="checkbox"/> C8H18	n-Octane mole percent	_____	%	0-Dew Point	0-0.05 percent
<input type="checkbox"/> C9H20	n-Nonane mole percent	_____	%	0-Dew Point	0-0.05 percent
<input type="checkbox"/> C10H22	n-Decane mole percent	_____	%	0-Dew Point	0-0.05 percent
<input type="checkbox"/> He	Helium mole percent	_____	%	0-3.0 percent	0-0.05 percent
<input type="checkbox"/> Ar	Argon mole percent	_____	%	0-1.0 percent	0-1.0 percent
Total			100		

(1) The summation of i-Butane and n-Butane cannot exceed 6 percent.

(2) The summation of i-Pentane and n-Pentane cannot exceed 4 percent.

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Section 2.

		Valid Range	
		<u>AGA 8</u>	<u>ISO 12213</u>
Specific gravity at 14.73 psia and 60 °F	_____	0.554-0.87	0.55-0.80
Volumetric Gross Heating Value at Base Conditions	_____	477-1150 BTU/SCF	30-45 MJ/m ³
Carbon Dioxide mole percent	_____ %	0-30 percent	0-20 percent
Hydrogen mole percent	_____ %	0-10 percent	0-10 percent
Carbon Monoxide mole percent	_____ %	0-3 percent	0-3 percent

Section 3.

			Valid Range
			<u>AGA 8</u>
Specific gravity at 14.73 psia and 60 °F	_____		0.554-0.87
Carbon Dioxide mole percent	_____ %		0-30 percent
Nitrogen mole percent	_____ %		0-50 percent
Hydrogen mole percent	_____ %		0-10 percent
Carbon Monoxide mole percent	_____ %		0-3 percent

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