

## Approximate Costs for Measurement Facilities

The table below provides the approximate costs for typical measuring station components. These costs are for the customers use in determining the potential costs for measuring facilities. Actual costs will vary and costs estimates must be obtained from vendors for each specific application and measuring station.

<u>Component</u>	<u>Approx. Cost</u> <u>ANSI 300</u>	<u>Approx. Cost</u> <u>ANSI 600</u>
2" Rotary Meter Setting	\$33,000	--
2" Orifice Meter Setting	\$28,000	\$32,000
4" Orifice Meter Setting	\$38,000	\$48,000
6" Orifice Meter Setting	\$59,000	\$63,000
8" Orifice Meter Setting	335,000*	
4" Turbine Meter Setting	\$52,000	\$56,000
6" Turbine Meter Setting	\$74,000	\$82,000
8" Turbine Meter Setting	\$335,000*	

\* Includes remote flow control

<u>Component</u>	<u>Approx. Cost</u>	<u>Comment</u>
EM Flow Computer - Basic	\$18,000	Required for all new receipt points
EM Flow Computer - with control functions, chromatograph input	\$37,000	Required with a chromatograph, remote flow control, odorization, flow is greater than 10,000 Dth/d
Satellite Communications System	\$8,000	Data circuit or satellite required with a chromatograph, remote flow control, odorization, flow is greater than 10,000 Dth/d
Continuous Gas Sampler, including 2 sample cylinders	\$5,500	If anticipated flow is greater than 1000 Dth/d
Gas Chromatograph with Building	\$150,000	If anticipated flow is greater than 10,000 Dth/d
Moisture Monitor	\$36,700	If a dehy is installed upstream or gas quantity greater than 10,000 Dth/d
Oxygen Monitor	\$5,100	If gas source is coal bed methane
H2S Monitor with controls & actuator (may require an additional valve)	\$35,000	If gas source is from known H2S formation
2" Liquid Shut Off	\$2,000	If no filter separator
2" Filter Separator	\$4,800	If connected to a transmission pipeline
4" Filter Separator	\$16,500	If connected to a transmission pipeline
6" Filter Separator	\$37,000	If connected to a transmission pipeline
8" Filter Separator	\$54,000	If connected to a transmission pipeline
2" Flow Control Valve	\$24,000	Required if connected to a capacity constrained system
4" Flow Control Valve	\$33,500	Required if connected to a capacity constrained system
2" JPL OPP Device	\$1,700	
2" Fisher OPP Device	\$4,800	
4" Fisher OPP Device	\$6,600	
Compressor Recording Gauge	\$1,500	If compression is installed upstream of the meter