

RIGAS 400A calculation worksheet

Sample pressure: 5.0 Air Flow rate = 400 cc/min
Capillary: Standard Sample Flow = 13.5 (+1.4, -0.0) cc/min [5psig N
Fuel: Mixed Fuel Flow = 75 cc/min
Gas of interest is: METHANE Equivalent carbon # = 1
Cal gas is: METHANE Equivalent carbon # = 1
Cal gas value is: 180 ppm METHANE
Full Scale = 100% = 100 ppm METHANE
Range Number = 2 WARNING - wrong range!!

Full Scale METHANE (@ 5psig)=	100	Range 1	x1	#	-- >200 --
Full Scale METHANE (press corr)=	100	* Range 2	x2.5	#	180.00
		Range 3	x10	#	45.00
		Range 4	x25	#	18.00
Cal gas reading should be:	180.00 %	Range 5	x100		4.50
Other info: analog outputs: >20		Range 6	x250		1.80
Full Scale METHANE =	100 ppm	Range 7	x1000		0.45

- * Range calculation ASSUMES that you calibrated that particular range to the CAL GAS
- * Off scale or >200% is represented by ">200" ... too much ppm concentration = "c
- * "max sensitivity" assumes full internal sample pressure (5 psig) and the gain control s
- * "#" indicates that the preamp is in HIGH gain mode on this setting.

Analyzer info: Range: 4 ppm to 10,000 ppm Cl