

RTPC Gas Controls Chassis Pinout						
PT1				Chassis		Cable
MKS 627a	1	100'	4 cond 22awg	15 Pin D (F)		15 Pin (M)
RTPC abs. Presss.0 to 10V signal				1		1
				2	Pressure Out	2
				3		3
				4		4
				5	Power return	5
				6	Neg 15 V	6
				7	Pos 15 V	7
				8		8
				9		9
				10		10
				11		11
				12	Pressure Out ret	12
				13		13
				14		14
				15	chassis gnd	15
PT2				Chassis		Cable
MKS 226a Diff. Cap Mano	1	100'	4 cond 22awg	9 Pin D (F)		Open
DMS to RTPC Diff Pressure: 0 to 10VDC (into 10K ohm load)				1		
				2		
				3		
				4	(+) Excitation	
				5		
				6		
				7	chassis gnd	
				8		
				9	(-) Excitation	
MFC Flow Controller				Chassis		Cable
	9	40'	4 cond 22awg	15 Pin D (M)	Ran In GS	15Pin (F)
MFC Power Cable				1		1
				2		2
				3		3
				4		4
				5	24V-	5
				6		6
				7	24V+	7
				8		8
				9		9
				10		10
				11		11
				12		12
				13		13
				14		14
				15		15
Out1 Pinout						
Chassis to cRIO				9 Pin (M)		cRIO
	1			(PT2)DMS to RTPC +	0-10V	
	2			(PT3)He Diff + (spare 1)		
	3			(PT1)RTPC Abs Press +	0-10V	
	4			Abs press + (spare 5)		
	5			n/a		
	6			(PT2)DMS to RTPC -	0-10V	
	7			(PT3)He Diff - (spare 1)		
	8			(PT1)RTPC Abs Press -	0-10V	
	9			Abs press - (spare 5)		

\*\*\*Change to 0 to 10