IPC
INDUSTRIAL PLANTS CONSULTANTS

Multivariable Control, Diagnostic and Protection System
Datasheet (minimum requirement)

Frequency Converter	**Power Module**	Supply	Output	Power range	
		3 AC 380-480V	3 AC 400V	1 - 100 kW	
	Control Unit	2 Analog Output (0 - 20 mA) 6 isolated digital input 2 Analog Input (ADC) ADC1: 0 - 10 V 0 - 20 mA ADC2: 0 - 10 V 0 - 20 mA			
		Analog I/O Data	Analog Input (ADC)	Analog Output(DAC)	
		Cycle Time Resolution Precision	4 ms 10 bit 1% @ 10 V/20 mA	4 ms 10 bit 1% @ 10 V/20 mA	
PLC	**CPU**	**Supply**	240 VAC		
		User Memory	Work	50 Kbytes	
			Load	1 Mbytes	
			Retentive	2 Kbytes	
		Local on-board I/O	Digital	8 inputs/6 outputs	
			Analog	2 inputs	
		Module Expansion	2 typically		
		Pulse outputs	2		
		Memory Card	4 MB		
		Comunication	Ethernet (PROFINET)		
		Real math execution speed	18us/instruction		
		Boolean Exexution speed	0,1us/instruction		
	Analog I/O Module	**Input**	4		
		Output	2		
		Range	0 - 20 mA		
		Data Word (Full Scale Range)	-27648...27648		
		Resolution	12 bits + sign bit		
		Accuracy	±0,2% of full scale		
	Stabilized Power Supply	**Input**	120/230 VAC		
		Output	24 DC		
		Output Current	Rated	2,5 A	
			Max	2,8 A	

HMI	**Display**		**4,3"**
	Resolution (pixel)		**480x272**
	Supply voltage		**24 VDC**
	Memory	**Flash**	**YES**
		RAM	**YES**
		Usable	**1Mbyte**

Pressure Transmitters		**Type**	**Supply**	**Signal Output**	**Accuracy**
	Discharge	Relative	8 ÷ 30 VDC	4 ÷ 20 mA	±1% FS (max.)
	Suction	Absolute	8 ÷ 30 VDC	4 ÷ 20 mA	±1% FS (max.)
Velocity Transducers	**Freq. Response**		**Supply**	**Signal Output**	**Sensitivity**
	2Hz to 1 KHZ		12 ÷ 32 V	4 ÷ 20 mA	5%