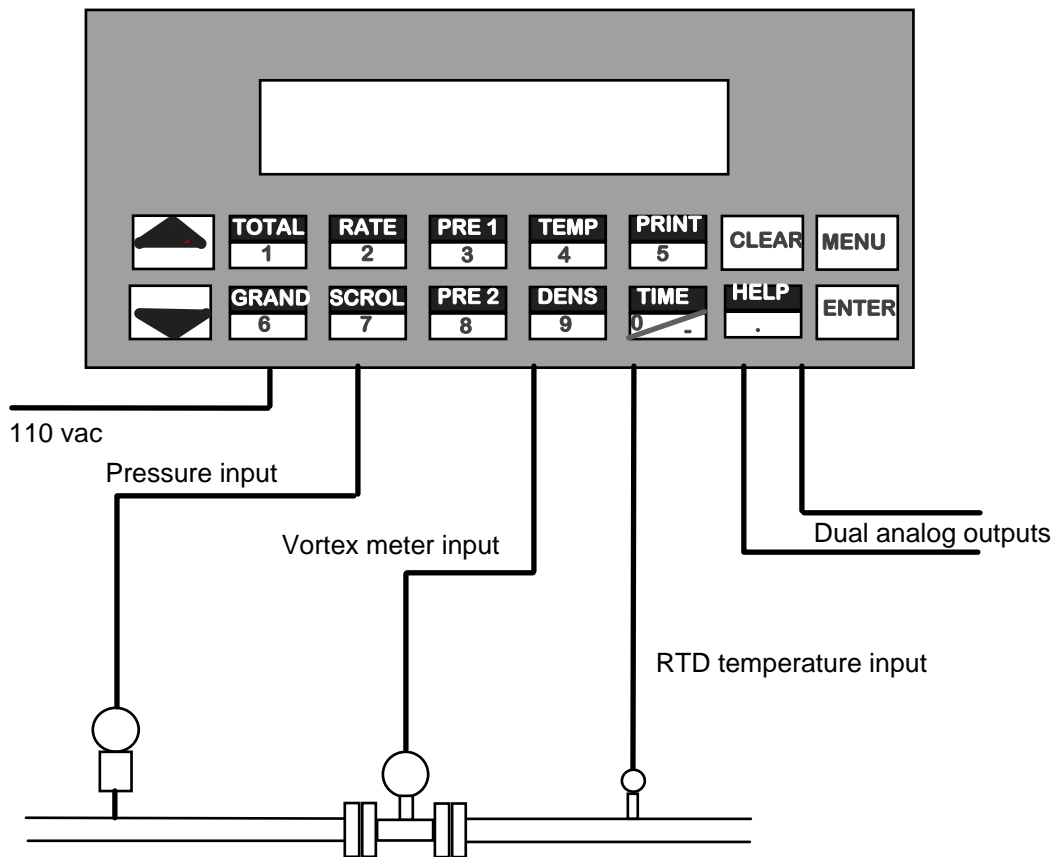# SUPERtrol II Monitoring Compressed Air Flow, Displaying the Compensated Volumetric Flow and Giving Two Analog Outputs

110 vac

Pressure input

Vortex meter input

Dual analog outputs

RTD temperature input

The SUPERtrol II utilizes the pressure and temperature signals, as well as user input data, to compute the density of the flowing compressed air. The SUPERtrol II then performs a calculation which is referenced to standard conditions. The result of the calculation is displayed in SCFM or NM³ per hour and totalised in SCF or NM³.

The SUPERtrol II can provide displays of mass flow, heat flow, mass total, heat total, pressure, temperature, specific volume and specific enthalpy.

Pulse, mA, relay, RS232 and RS485 outputs are provided as well as a 24 vdc 100 mA power supply for powering all process transmitters.

Application Terminal Connections

1	DC OUTPUT		FLOW
2	PULSE IN 1	Vin +	IN
3		Iin +	
4	COMMON		
5	RTD EXCIT +		
6	RTD SENS +		TEMPERATURE IN
7	RTD SENS -	Iin +	
8	DC OUTPUT		
9	RTD EXCIT +		PRESSURE (TEMP 2) IN
10	RTD SENS +		
11	RTD SENS -	Iin +	
12	PULSE OUTPUT +		
13	PULSE OUTPUT -		
14	ANALOG OUTPUT 1 (+)		
15	ANALOG OUTPUT 2 (+)		
16	ANALOG OUTPUT COMMON (-)		
17	NC		
18	COM RLY 1		
19	NO		
20	NC		
21	COM RLY 2		
22	NO		
23	AC LINE	DC +	POWER IN
24	AC LINE	DC -	

FT
TE
PT
PR
FR

110/220 vac
60/50 Hz