

RP80 - TEMPERATURE PRESSURE PNEUMATIC TRANSMITTER

The RP80 series, regulators and indicators, are ideal for controlling physical variables such as temperature and pressure of liquids, gases and vapors in industrial or process. The measured value of the physical variable is displayed and compared with the set point. The comparison between the two variables generates a standard modulating signal of 3 ÷ 15 psi (0.2 to 1 bar) sent to the setting final: the pneumatic valve. Available in four control forms, ON-OFF, P, P + I and P + I + D, the instrument is also used for the remote control of the process, as both transmitter with output 3 ÷ 15psi or 0,2 ÷ 1 bar that as a receiver controller (entry 3 ÷ 15psi / 0.2 to 1 bar).



- Excellent dynamic response
- Low power consumption
- Compatibility with any type of pneumatic valve
- Proportional band adjustable up to 200%
- Reversible direct / reverse action
- Low maintenance
- High reliability

DESCRIPTION

TEMPERATURE			
RP81R12	ON- OFF	Thermometric system nitrogen charged, capillary 2 m., 3/4" GAS. Bulb for gasses,completely immersed in the fluid. Material: SS ASTM A240 Grade 316L.	Range available: 25, 30, 40, 50, 60, 70, 80, 100, 120, 130, 150, 200, 250, 300, 400, 500 °C
RP82R12	PROPORTIONAL		
RP83R11	P+I		
RP84R12	P+I+D		
RP85R12	TRANSMITTER		
RP83R12	ON- OFF	Thermometric system nitrogen charged, capillary 2 m, 3/4 " GAS, bulb for liquids, for total immersion in the fluid. Material stainless steel 316L. With the use of the sheath thermometer fill the gap with oil.	
RP81R11	PROPORTIONAL		
RP82R11	P+I		
RP85R11	P+I+D		
RP84R11	TRANSMITTER		
PRESSURE			
RP81P	ON- OFF	Bourdon Manometer, 1/2" Gas Male, Stainless steel 316L	Range available: 0÷1-1,5-1,6-2-2,5-3-4-5-6-7-8-10-12- 15-16-20-25-30-35-40-50-60-65-70-80-100-120-130-150-160-200-250-300-400-500-700-800-1000-1200 bar
RP82P	PROPORTIONAL		
RP83P	P+I		
RP84P	P+I+D		
RP85P	TRANSMITTER		
RP81B0	ON- OFF	Gauge (low pressure), bellows tombak alloy, 1/4 "NPT	Range available: 0÷400-600-1000-1600-2500-4000-6000-8000 mmH2O
RP82B0	PROPORTIONAL		
RP83B0	P+I		
RP84B0	P+I+D		
RP85B0	TRANSMITTER		
RP81BX	ON- OFF	Gauge (low pressure), bellows in AISI 316L, 1/4 "NPT-F	Range available: 0÷500-600-1000-1600-2500-4000-6000-8000 mmH2O
RP82BX	PROPORTIONAL		
RP83BX	P+I		
RP85BX	TRANSMITTER		
RP84BX	P+I+D		

Casing: die-cast aluminum. Antiacid coating, cover ABS; Option tropicalization treatment outer case; IP54, wall mounting or panel, size W 225x D 105 x H 170

Pneumatic connections: 1/4" NPT

Air supply: 20±1.5 psi / 1.4 ± 0.1 bar, on request 35 ± 1.5 psi / 2.4 ± 0.1 bar

Output: 3÷15 psi / 0.2÷1 bar; on request 6÷30 psi / 0.4÷2 bar

Linearity repeatability and hysteresis: <0,5 % Accuracy: <1 %

Air consumption: 0.13 Nm³/h (supply 20 psi)

Flow rate: 2.6 Nm³/h (supply 20 psi)

Operating temperature: -20....+ 70 °C



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