



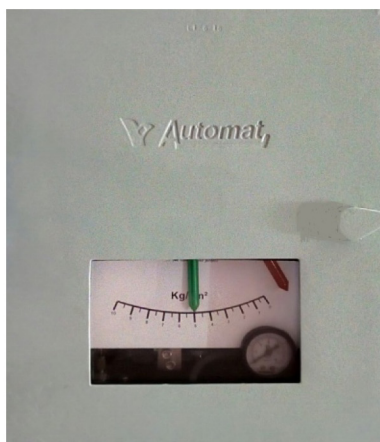
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ISO-9001 : 2008 CERTIFIED COMPANY

PRESSURE INDICATING CONTROLLER MODEL - 200-1P2

APPLICATION

Automat Pressure Indicating Controller is very versatile, reliable and accurate pressure instrument to satisfy modern process control requirements. The indicating controller is used for control of liquid, gaseous or vaporous media. The instrument senses the pressure of the measured medium directly & display the operating value, compares the measured variable with the set point and gives pneumatic signal in the standard range 0.2 to 1 kg/cm². This output pressure actuated the final control element. Automat Pressure Indicating Controller may include ON-OFF, Proportional Only, Proportional with Automatic Reset (Integral), Proportional with Auto Reset and PRE-ACT control responses.



TECHNICAL DATA

Body	Die cast aluminium with anti corrosive paint	
Cover	ACRYLIC	
Degree of protection	IP 65	
Mounting	Wall or panel or 2-Inch pipe mounting	
Pneumatic connections	1/4" NPT(F)	
Supply air pressure	20±1.5 psi / 1.4 ± 0.1 kg/cm ² (2kg/cm ² Maximum)	
Output	3 - 15 psi / 0.2 - 1 kg/cm ²	
Proportional Action	Proportional Band 0 to 100%	
Integral Action (Reset)	0.02 to 27 rep./min.	
Derivative Action	0.02 to 27 rep./min.	
Dead Band	0.2% of FS	0.3% of FS for 0-150kgf/cm ²
Scale Length	120mm	
Accuracy	1.0% of FS	1.5% of FS for 0-150kgf/cm ²
Setting Range	0 to 100% of FS	



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Angle	75 - 80°
Repeatability	1.0% of FS
Ambient temperature	-30 to + 80 °C
Measuring Element	Bourdon Tube
Relative Humidity	10% to 90% RH
Pointer (Process variable)	Red
Pointer (Set Point Value)	Green
Differential Gap	1 to 100% FS, adjustable
Relay Inner Valve & Seat	Stainless Steel
Air Consumption	4 Nl/min
Relay Diaphragm	Buna N with Nylon Insert
Nozzle	Stainless Steel (0.022" Bore)

STANDARD SPECIFICATION

Item	Specification
Measuring Range	SS316 ; 0~3, 0~4, 0~5, 0~6, 0~10, 0~15, 0~20, 0~25, 0~35, 0~50, 0~70, 0~100, 0~150, 0~250, 0~350 (kg/cm ² gauge pressure)
Allowable over range Without recalibration	Span of 70kg/cm ² or less; Maximum pressure plus 50% of span Span of 100kg/cm ² or more; Maximum pressure plus 20% of span

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Specifications Subject to change without prior notice