

Digital Pressure Controller with Transmitter



AI-PRI-2SP

The Digital Pressure Indicators are Panel Mounting type Indicator which accept the input from a threaded end Pressure Transmitter (4-20mA) installed in the field. The pressure sensor is connected to the indicator by way of a 2 core cable connection & the distance between the indicator & the sensor can be upto 100 mtrs without loss of signal accuracy.

Pressure Controller Specifications

Pressure Controller	AI-PRI-96
Range	0 to 10 upto 5000 Bar (Factory settable)
Optional Units	PSI, mm. Hg., In. Hg. also available Please Contact Store
Resolution	1/0.1/0.001 PV (Based on Transmitter Resolution)
Accuracy	+/- 0.25% of Full Scale
Power Supply	230 Volts A.C., Single Phase
Construction	Panel Mounting Type ABS Plastic Body
Communication	RS485 Modbus Protocol Communication (Optional)
Dimensions	96x96 mm

Pressure Transmitter Specifications

Pressure Transmitter	Danfoss MBS3000
Output signals	4-20 mA, 0-5 V, 1-5 V, 1-6 V, 0-10 V
Accuracy	±0.5% FS (typ.); ±1% FS (max.)
non-Linearity (best fit straight line)	≤ ±0.5% FS
Hysteresis and repeatability	≤ ±0.1% FS Response time: < 4 ms
Ambient Temperature	-40 to +85°C
Thermal Zero-Point Shift	≤ ±0.1% FS/10K (typ.) ≤ ±0.2% FS/10K (max) Thermal sensitivity (span) shift: ≤ ±0.1% FS/10K(typ.); ≤ ±0.2% FS/10K (Max.)
Over-Load Pressure	6 × FS (max. 1500 bar)
Burst pressure	6 × FS (max. 2000 bar)
Durability	10-90% FS: >10×10 ⁶ Cycles
Enclosure	IP65
Materials	Glass filled polyamide, PA 6.6



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Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

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