

## Pneumatic Transducers

### Compact Plug-in Design

**M2PV** Pneumatic input, Single output

**W2PV** Pneumatic input, Two isolated outputs

- Converts a standard pneumatic signal into a DC signal.
- Two independent ranges can be specified with the signal splitter.



### Two-wire Pneumatic Transducer

**BPV** Pressure to current

- Monitor terminal (4-20 mA)



### Two-wire Self-powered Pneumatic Transducer

**HVPN** Current to pressure

- Semiconductor pressure sensor in the feedback circuit
- No mounting position effect



### SPECIFICATIONS

	M2 / W2 Series	B-UNIT Series	H-UNIT Series
Series	M2 / W2 Series	B-UNIT Series	H-UNIT Series
Single output model	M2PV	BPV	HVPN
Dual output model	W2PV		
Input	19.6-98.1 kPa (0.2-1.0 kgf/cm <sup>2</sup> ) 20-100 kPa (0.2-1.0 bar) 20.7-103.4 kPa (3-15 psig)	19.6-98.1 kPa (0.2-1.0 kgf/cm <sup>2</sup> ) 20-100 kPa (0.2-1.0 bar) 20.7-103.4 kPa (3-15 psig)	4-20 mA
Output	Specific range of 0-20 mA; Minimum span 1 mA e.g. 4-20 mA / ≤750Ω (≤350Ω at 4-20 mA for Output 2)	4-20 mA ≤600Ω	19.6-98.1 kPa (0.2-1.0 kgf/cm <sup>2</sup> ) 20-100 kPa (0.2-1.0 bar) 20.7-103.4 kPa (3-15 psig)
Max. air capacity	----	----	60 NI/minute
Power input	24 Vdc or 100-240 Vac	15-28 Vdc	Not required
Accuracy	±0.3%	±0.3%	±0.3%
Response time (0-90%)	≤0.5 sec.	≤0.5 sec.	≤3 sec.
Operating temperature	-5 to +55°C (23 to 131°F)	-10 to +60°C (14 to 140°F)	-5 to +55°C (23 to 131°F)
Insulation resistance	≥100MΩ with 500 Vdc	----	----
Dielectric strength	2000 Vac @1 minute (output to power to ground)	----	1500 Vac @1 minute (input to housing)
CE marking	Yes	Yes	Yes
Safety approval	UL & C-UL nonincendive	----	----