

DIFFERENTIAL PRESSURE TRANSMITTER DPA, DPA-M SERIES



DESCRIPTION

The **Kele DPA** and **DPA-M Series** are very cost-effective, **low-range differential air pressure transmitters** for duct pressure applications where measurement of pressure differentials up to 10" W.C. is required. The **DPA** and **DPA-M Series** incorporate a piezoresistive, silicon, micromachined sensing element and integrated temperature compensation for excellent performance and accuracy.

FEATURES

- **Low cost**
- **4-20 mA output standard or 1-5/2-10 VDC outputs**
- **24 VAC or 24 VDC power**
- **Brass barb fittings for 1/4" tubing**
- **Two-year warranty**



DPA-1-20



DPA Mini

SPECIFICATIONS

Supply Voltage		Operating Temperature	
DPA	24 to 36 VDC @ 23 mA, 24 VAC ±10% @ 0.83 VA	DPA	32° to 185°F (0° to 85°C)
DPA-M (Voltage)	15 to 36 VDC @ 23 mA, 24 VAC ± 10% @ 0.83 VA	DPA-M	32° to 140°F (0° to 60°C)
DPA-M (Current)	12 to 36 VDC @ 23 mA, 24 VAC ±10% @ 0.83 VA	Compensated Temperature Range	32° to 122°F (0° to 50°C)
Signal Output		Input Range	0-1" W.C. to 0-20" W.C.
DPA	4-20 mA @ 500Ω, 1-5 or 2-10 VDC	Media Compatibility	Dry air or inert non-conductive gases
DPA-M	4-20 mA @ 500Ω, 0-5 or 0-10 VDC	Proof Pressure	100" W.C.
Accuracy	±1% Full Scale Output	Wiring Termination	Terminal (16 to 22 AWG)
Repeatability	±0.3% Full Scale Output	Approvals	CE, RoHS, REACH
Operating Humidity	10 to 95% RH, non-condensing	Weight	0.32 lb (0.14 kg)
		Warranty	2 years

ORDERING INFORMATION

MODEL	DESCRIPTION
DPA	Differential pressure transmitter
DPA-M	Differential pressure transmitter mini
INPUT RANGE ("W.C.)	
1	0-1
2	0-2
3	0-3
4	0-4
5	0-5
10	0-10
20	0-20
300	0-0.3 KPa
500	0-0.5 KPa
1000	0-1.0 KPa
1600	0-1.6 KPa
2500	0-2.5 KPa
OUTPUT SIGNAL	
5	1-5 VDC
10	2-10 VDC
20	4-20 mA

DPA-M - 10 - 5 **Example:** DPA-M-10-5 Differential pressure transmitter mini with input range of 0-10" W.C. and 1-5 VDC output signal

Wiring

Output Signal	Supply Voltage	Wire Connections		
VDC	AC/DC	VIN	GND	OUT
mA	AC	VIN	GND	OUT
mA	DC	VIN		OUT

