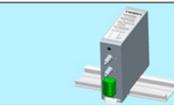
# **RSA-TDPR Rail Mount Differential Pressure Transmitter**





### **Applications & Features**

- Designed specifically for standard 35mm DIN rail mount, small enough for compact installation in equipments and instruments
- Apply high accuracy MEMS sensor and digital technologies, can measure differential pressure on equipments such as isolator, clean bench and cabinet for pharmaceutical, biological safety and medicine research, microelectronics, hazardous chemicals operation and various laboratories
- Multiple ranges, engineering units and outputs
- Good performance, accuracy 1.0% or 0.5%FS selectable
- Function keys: zero reset, unit select, response time set, etc

### **Specifications**

Medium: non-combustible, non-corrosive air, insensitive to moisture, dust, condensation and oil

Temp.: working,-20~70°C; medium, 0~60°C; Compensation, 0~50°C Working Pressure: overload 10xFS, burst 15xFS Performance:

Ferrormance.					
Accuracy %FS	±1.0 %	±0.5 %			
Thermal Effect %FS/°C (Zero/FS)	±0.05/0.08	±0.03/0.04			
Stability %FS/Year	±0.5	±0.3			

Response Time: 0.5/1/2/5s, can be set by keys Process Connection: 5mm ID tubing Output: 0~10V, 4~20mA (2 wires), RS485 selectable

**Output Load:**  $\leq$ 500 $\Omega$  (current),  $\geq$ 2k $\Omega$  (voltage)

### **Power:** Current: 18.5~35VDC (R<sub>L</sub>=500Ω), 8.5~35VDC (R<sub>L</sub>=0Ω) Voltage: 16~28VAC/ 16~35VDC

Zero reset: outside key to operate easily Housing: Materials: Fire-proof ABS/PC; Protection: IP30 Approval: CE

#### Models

Model	RSA-TDPR				Rail Mount DP
					Transmitter
A		0			±1%FS
Accuracy		1			±0.5%FS
Range			Х		Range selection
				1	0~10V
Output				2	4~20mA(2 wires)
				8	RS485/Modbus

## Measuring Ranges

Code	Pa	Code	Pa
0	0~25	5	0~1000
1	0~60	6	0~2500
2	0~125	7	0~5000
3	0~250	8	0~10000
4	0~500		

For zero center models, add "Z" at the end of the model. For example, DPTR\*1\*Z, means the range is -30-0-30.Only 1~6 have this selection.

# **RSA-TDPM Mini Differential Pressure Transmitter**



### Applications & Features

- Very compact size, good for application in small equipments and instruments
- Apply high accuracy MEMS sensor and digital technologies, can measure differential pressure on equipments such as isolator, clean bench and cabinet for pharmaceutical, biological safety and medicine research, microelectronics, hazardous chemicals operation and various laboratories
- Multiple ranges, engineering units and outputs
- Good performance, accuracy 1.0% or 0.5%FS selectable
- Function keys: zero reset, unit select, response time set, etc

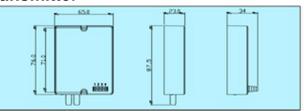
## Specifications

Medium: non-combustible, non-corrosive air, insensitive to moisture, dust, condensation and oil

Temp.: working,-20~70°C; medium, 0~60°C; Compensation, 0~50°C Working Pressure: overload 10xFS, burst 15xFS Performance:

Accuracy %FS	±1.0 %	±0.5 %
Thermal effect %FS/°C (Zero/FS)	±0.05/0.08	±0.03/0.04
Stability %FS/Year	±0.5	±0.3

**Response Time:** 0.5/1/2/5s, can be set by keys **Process Connection:** 5mm ID tubing, two sides selectable **Output:**  $0 \sim 10V$ ,  $4 \sim 20$ mA (2 wires), RS485 selectable **Output Load:**  $\leq 500\Omega$  (current),  $\geq 2k\Omega$  (voltage)



Power: Current: 18.5~35VDC (R<sub>L</sub>=500Ω), 8.5~35VDC (R<sub>L</sub>=0Ω) Voltage: 16~28VAC/ 16~35VDC

Zero reset: outside key to operate easily Housing: Materials: Fire-proof ABS/PC; Protection: IP30 Approval: CE

#### **Models**

Model	RSA-TDPM				DP Transmitter
<b>A</b>		0			±1%FS
Accuracy		1			±0.5%FS
Range			Х		Range selection
				1	0~10V
Output				2	4~20mA(2 wires)
				8	RS485/Modbus
Nozzle				0	Horizontal
NOZZIE				1	Vertical

### Measuring Ranges

Code	Pa	Code	Pa
0	0~25	5	0~1000
1	0~60	6	0~2500
2	0~125	7	0~5000
3	0~250	8	0~10000
4	0~500		

For zero center models, add "Z" at the end of the model. For example, DPTM\*1\*\*Z, means the range is -30-0-30.Only 1~6 have this selection.

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