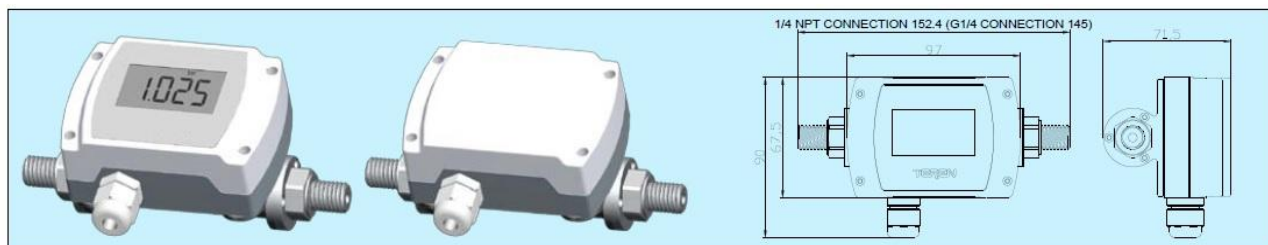




A mais completa em soluções para HVAC e Automação.

RSA-TDPW Differential Pressure Transmitter



Applications & Features

For diff. pressure measurement of compatible fluid and gas

Specifications

Sensor: glass micro fused silicon strain sensor

Power: Current: 18.5~35VDC ($R_L=500\Omega$), 8.5~35VDC ($R_L=0\Omega$).

Voltage output: 16~35VDC, 16~28VAC **Output:** 4~20mA (2 wires), 0~10VDC(3 wires) or RS485

Load: $\leq 500\Omega$ (current), $\geq 2k\Omega$ (0-10VDC)

Accuracy: typical $\pm 0.5\%$ FS (BFSL), see range specifications

Range: see range specifications

Display: LCD, with unit indication(kPa/mbar/in WC/bar/MPa)*

Temp. limit: work -20~70°C; medium -20~85°C; compensation 0~55°C

Pressure Limit: see range specifications

Response time: ≤ 500 ms

Medium compatibility: 17-4PH stainless steel

Housing: sensor 17-4PH stainless steel; sensor casing 304 stainless steel; enclosure ABS+PC(flame retardant)

Protection: IP65

Weight: 0.6kg (without mounting bracket)

Approval: CE

Mount Bracket: RSA-TDPW-A, for surface mount, should be ordered separately

*The factory set engineering unit is bar. Customer can switch to others with the UNIT button on the PCB.



RSA-TDPW-A

Models

Models	RSA-TDPW			Diff. Pressure Transmitter
Output	1			0~10V
	2			4~20mA
	8			RS485/Modbus RTU
Range		X		see Range Specifications
Process Connection			2	1/4 NPT
			4	G1/4
			7	Others
Display			0	N/A
			1	LCD

Range Specifications

Range		Pressure limits in both side ports			Accuracy	Temperature
		Rated	Overload	Burst	(BFSL)	Coefficient
Code	bar	bar	bar	bar	%FS	%FS/°C
0	0~0.5	3.5	7	17.5	1.0	0.15
1	0~1	3.5	7	17.5	0.5	0.1
2	0~2	3.5	7	17.5	0.5	0.05
3	0~4	7	14	35	0.5	0.05
4	0~6	10	20	50	0.5	0.05
5	0~10	10	20	50	0.5	0.05
6	0~10	16	32	80	0.5	0.05
7	0~16	16	32	80	0.5	0.05

RSA - A mais completa em soluções para HVAC e Automação

Avenida Ragueb Chohfi, 960 - Torre 3, Sala 73 - Jardim Três Marias, São Paulo-SP, Cep: 08375-000

Telefone Sac: 55 11 2031 6658 - Email: contato@rsa-sensors.com.br

Site: <http://www.rsa-sensors.com.br>