

DIFF. PRESSURE TRANSMITTER



Duct & Wall Mounted Transmitter



Flameproof DP Transmitter



- Signal :4-20 mA, 0-10/5 V DC with RS-485 and Wireless RF Communication.
- On Site Re-Ranging & Programming Facility.

INTRODUCTION

The UT-1402 Differential Pressure Transmitter Can Accurately Measure Positive, Negative, Or Differential Pressure And Send A Corresponding 4-20 mA Or 0-10 V DC Output Signal With Fully Re Ranging Facility. The UT-1402 Differential Pressure Transmitter Is Designed With Different Enclosure Like IP 65/ Clean Room-SS And Flame Proof Can Be Easily Mounted To Any Flat Surface. The UT-1402 Is Not Position Sensitive And Can Be Mounted In Any Orientation Without Compromising Accuracy. The Compact, Lightweight Design Makes Installation Simple And Easy.

FEATURE

- ✦ Compact Housing With IP 65 Protection Housing.
- ✦ Wide DP Range $\pm 25\text{Pa}$ To 4000 mmWC.
- ✦ Re Ranging And Calibrations Can Be Done Thought Internal Keys And LED On Site.
- ✦ 0.25 % Accuracy.
- ✦ Hi Accuracy True - Stable Digital Sensor, With Damping Facility.
- ✦ 4 – 20 mA Or 0 – 10 V DC -RS 485 Output.

APPLICATION

- ✦ Ventilating & Heating.
- ✦ Static Duct & Clean Room Pressures.
- ✦ Air Conditioning (HVAC).
- ✦ Energy Management Systems.
- ✦ Air Volume & Fan Control.
- ✦ Environmental Pollution Control.
- ✦ Oven Pressurization.
- ✦ Oven Furnace Draft Controls.

DIFF. PRESSURE TRANSMITTER

TECHNICAL SPECIFICATION

MEDIUM	Air And Non-Combustible Gas
RANGE	Min. 0 - ± 25 Pa, Max. 0 - ± 4000 Range mmWC
POWER SUPPLY	10 ~ 35 V DC (2 Wires)
ACCURACY	1% Up To 200 mm, : 0.25 % Up To 4000 mmWC
TEMPERATURE RANGE	Compensated: 15° To 120°F (-10° To 50°C)
	Operating: -10° To 155°F (-25° To 70°C)
ELECTROCAL CONSUMPTION	<10mA
INSTALLATION DIRECTION	Vertical
OUTPUT SIGNAL	4~20mA (2 Wires Or 4 Wire) Or 0 - 10 V DC. Or RS 485 Com.
RESPONSE TIME	Field Adjustable 0.5~15s
ZERO & SPAN ADJUST	Digital Button With Led Indication.
ELECTRICAL CONNECTION	2.5 Sqmm Cable Terminal
PRESSURE CONNECTION	3/16" (6 mm) Id Pipe, Max. Od 9 mm
PROTECTION CLASS	Ip65 / Flp / Clean Room (SS)
TEMPERATURE DRIFT	0.025% (Zero And Full Range Total)
PRESSURE LIMIT	10 X As Per Range, 10 psi (Exploded)*
ENCLOSURE SIZE	Industrial Class Abs Or Aluminium Dia Cast
MOUNTING	Wall Mounted Or Base Mounted

ORDERING INFORMATION :

UT-1402		1	2				3	4	
EXT. Housing			DP Range			OUTPUT	POWER		
Clean Room SS	S	0 - 2.5 mm(+/-)	1	0 - 500 mm(+/-)	6	4-20 mA 2 wire	C2	230 V AC	1
Wall Mount -ABS	W	0 - 10 mm(+/-)	2	0 - 1000 mm(+/-)	7	4-20 mA 4 wire	C4	24 V DC	2
Flame Proof	F	0 - 25 mm(+/-)	3	0 - 2000 mm(+/-)	8	0-10/5V DC 3 wire	V		
		0 - 100 mm(+/-)	4	0 - 4000 mm(+/-)	9	Rs485 Modbus	R		
		0 - 200 mm(+/-)	5	0 - 5000 mm(+/-)	10				